







# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3038  
VOL. CXXVIII

APRIL 30, 1938

Annual Subscription (with  
Diary) 20/- Single Copies 9d.

## THUS ARE REPUTATIONS WON & LOST!

"I always get my medicines from Smith; years ago I found his Aspirin Tablets to be better than other people's so I go to him for everything in that line."

"No—I never go to Brown; I once bought some Aspirins there and for all the good they did me I might as well have swallowed bread pellets."

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The only Aspirin we compress is that made in our own Laboratories and we guarantee our tablets from start to finish. Purity, therapeutic activity, finish, speedy disintegration, skilled supervision and constant analytical tests guard all these points.

Prices are definitely competitive. Let us know your requirements and we will quote.



ENGLISH MACHINED BOTTLES AND A WIDE  
VARIETY OF SMARTLY DESIGNED LABELS AND  
CARTONS SATISFY ALL TASTES AND PREVENT  
CLASHING BETWEEN COMPETITORS.



# BURGOYNE BURBIDGES & CO. LTD

LONDON E.6.

EST. 1741.



**What a market  
for this 'Valet'  
holiday  
pack !**



## IT SELLS ON SHEER VALUE

Holiday crowds, in holiday mood, with holiday money to spend ! There's your market for this 'Valet' Holiday Pack. For downright value, it is probably the finest pack that has ever been offered. Give this 'Valet' pack plenty of prominence in your window and counter display. It will prove a real money-maker for you !

2 gross lots . . .	35%	} Subject to 2½% 10 days. Carriage paid.
6 doz. „ . . .	33½%	
1 doz. „ . . .	30%	
less than 1 doz. . .	25%	

Order through your usual wholesaler.

Retailing at the low price of 2/6, the "Valet" Holiday Pack comprises a "Valet" Razor, 3 "Valet" Blades, a "Valet" Strop, a tube of "Valet" Shaving Cream and a tube of "Valet" Strop Dressing. This offer will be widely advertised in the leading National and Provincial Press. With every dozen sets an attractive showcard is included to enable you to prepare striking window displays.

Stimulate sales during the summer holiday period ! Post your order now. Not a regular line — the offer is limited to the period during which stocks are available.

This offer is for Great Britain and Northern Ireland only and does not apply to Eire.

THE

# Valet

## HOLIDAY PACK



# *A new line for Summer!*



RETAIL PRICE

**2'6**

**Yardley**  
**SUNTAN CREAM**

YARDLEY'S new Suntan Cream will prove a sure success this summer. **Here are the reasons why!** It gives a warm even tan without fear of blistering or burning. It softens and refines the skin, **protects it from harmful ultra-violet rays** and gives it an attractive golden glow. Issued in large handsomely decorated tubes, **it is convenient to carry and handle.** It will be an advertised line, and effective colour window cards are supplied. **Let us have your order now!** (YARDLEY, 40 PICCADILLY, LONDON, W.1.)

A A

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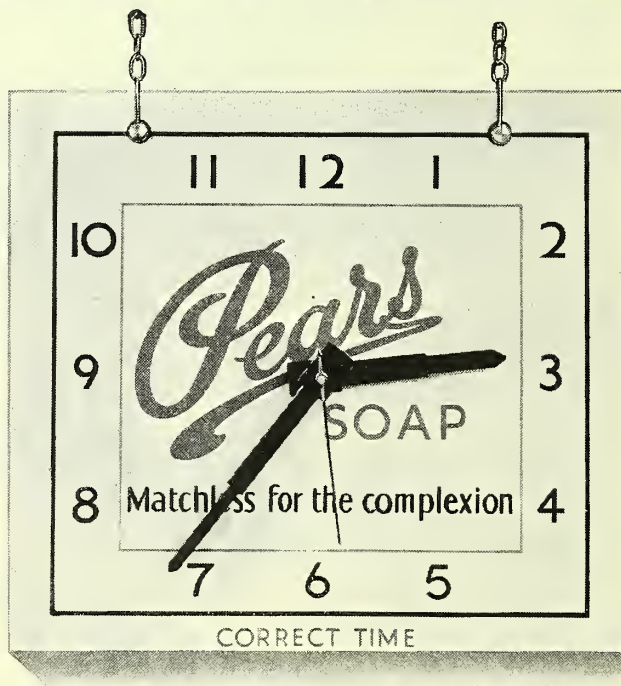
## A MAGNIFICENT ADVERTISEMENT FOR YOUR SHOP

### A SYNCHRONOUS ELECTRIC CLOCK

You know the value of a reliable clock as an advertisement for your shop. Big firms spend hundreds of pounds in erecting them over their windows. People soon get to know the really accurate clocks in the neighbourhood. Put one of these clocks in your shop and passers-by will soon form the habit of looking in your window.

**HOW TO GET IT.** For a short time only one of these clocks will be presented absolutely free to every retailer who places an order for £6 worth of Pears products. Never before has a manufacturer made such a generous offer. A clock worth at least 30/- with only £6 worth of goods — not unknown goods, but products of the World's most famous soap-makers for which there is a universal and everyday demand.

You must act *now* to be sure of your clock. Send the Coupon below to-day



#### **COUPON**

TO A. & F. PEARS, LTD., (DEPT. C.D.28),  
THE SOAP WORKS, ISLEWORTH,  
MIDDLESEX.

*Please ask your representative to call and  
show me your FREE ELECTRIC CLOCK*

Name .....

Address .....

#### **MORE ACCURATE THAN BIG BEN!**

Actual size 12" x 11". Plate glass face  $\frac{3}{16}$ th of an inch thick and bevelled. Hanging chains of lacquered brass. Supplied with 6 feet of flex and plug. Keeps absolutely perfect time without winding or regulating and is not affected by vibration or atmospheric conditions. Can be run from any point, light, heat or power, *providing the supply is time controlled* A.C. 50 cycles, 200-250 volts.

PTA 1/551



# CROOKES' Bonus Terms

## ON FIVE POPULAR SUMMER LINES

(Offered ONLY direct to the Qualified Retail Trade)



Crookes' Lacto-Calamine

Crookes' Lacto-Calamine Talcum Powder



Crookes' Lactomagnesia



Crookes' Karvol Insect Bite Lotion



Crookes' Zinc Cream (in three colours, to choice)

PRODUCT	PRICE	ORDER	DISCOUNTS	BONUS	
CROOKES' LACTO-CALAMINE	4 oz. 1/6	1 doz.	ORDINARY	1 per doz.	
CROOKES' LACTO-CALAMINE	4 oz. 1/6	3 doz.	25% & 10%	1 per doz.	
CROOKES' LACTO-CALAMINE	4 oz. 1/6	6 doz.	25% & 10%	2 per doz.	
CROOKES' LACTO-CALAMINE TALCUM POWDER	4 oz. 1/6	1 doz.	ORDINARY	1 per doz.	
CROOKES' LACTO-CALAMINE TALCUM POWDER	4 oz. 1/6	3 doz.	25% & 10%	1 per doz.	
CROOKES' LACTO-CALAMINE TALCUM POWDER	4 oz. 1/6	6 doz.	25% & 10%	2 per doz.	
CROOKES' LACTOMAGNESIA	4 oz. 1/- 8 oz. 1/9	1 doz.	ORDINARY	1 per doz.	
CROOKES' LACTOMAGNESIA	4 oz. 1/- 8 oz. 1/9	3 doz.	25% & 10%	1 per doz.	
CROOKES' LACTOMAGNESIA	4 oz. 1/- 8 oz. 1/9	6 doz.	25% & 10%	2 per doz.	
CROOKES' KARVOL INSECT BITE LOTION	1 oz. 1/3	1 doz.	ORDINARY	1 per doz.	
CROOKES' KARVOL INSECT BITE LOTION	1 oz. 1/3	3 doz.	25% & 10%	1 per doz.	
CROOKES' KARVOL INSECT BITE LOTION	1 oz. 1/3	6 doz.	25% & 10%	2 per doz.	
PRODUCT	PRICE	ORDER	INVOICED AT	DISCOUNTS	BONUS
CROOKES' ZINC CREAM (Blue, Black or Green to choice)	1 oz. jars 1/3	1 doz.	12/- per doz.	ORDINARY	1 per doz.
CROOKES' ZINC CREAM (Blue, Black or Green to choice)	1 oz. jars 1/3	3 doz. and upwards	12/- per doz.	25% & 10%	1 per doz.

Bonus Terms for CROOKES' ZINC CREAM in 1 oz. tubes (1/3d.) as for 1 oz. jars.

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THE CROOKES LABORATORIES

(British Colloids Ltd.)

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WITH us it's very good, thank you. Each leading line—Vinolia Soap, Vinolia Shaving Stick, Vinolia Lypsil—is showing a handsome increase. Vinolia advertising is pulling, and pulling well. You will hear all about it in the booklet we are sending out shortly, together with our new Price List. In the meantime, if *you* are not selling more Vinolia it can be due to only one reason. *You are not showing the public when and where to respond to the advertising.* Display Vinolia and get *your* share of the increased business. If you need display material, send us a postcard.

VINOLIA Co., Ltd., (Dept. C), BEBINGTON, WIRRAL, CHES.

VT 167/551

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[Continued overleaf]

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**AVERAGE PROFIT 56<sup>1</sup>/<sub>4</sub>%**  
ON COST



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Minimum Retail Selling price . . . 1/6d. size 13/- per doz.  
2/9d. " 22/- " " "

This offer is made to all Chemists placing a Minimum order of 1 doz. Eropto Brand, either 1/6 or 2/9 size. With each order for 1 dozen, attractive showcards and window bills will be sent. Larger orders qualify for bonus pro-rata.

INTRODUCTORY BONUS OFFER  
OF 13 TO THE DOZEN

<b>EXAMPLE</b>		<b>OR</b>	
1 dozen 1/6 Eropto sells at	18/-	1 dozen 2/9 Eropto sells at	£1.13.0
1 Bonus Eropto " " "	1/6	1 x 2/9 Bonus Eropto " " "	2/9
	19/6		£1.15.9
Less cost ... ..	13/-	Less cost ... ..	£1.2.0
Gross Profit ... ..	6/6	Gross profit ... ..	13/9
<b>= 50% profit on cost</b>		<b>= 62<sup>1</sup>/<sub>4</sub>% profit on cost</b>	

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used for gas masks  
during last war.

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## ANTI-GAS TAPE

### Self Adhesive

### FOR SEALING DOORS • WINDOWS • Etc.

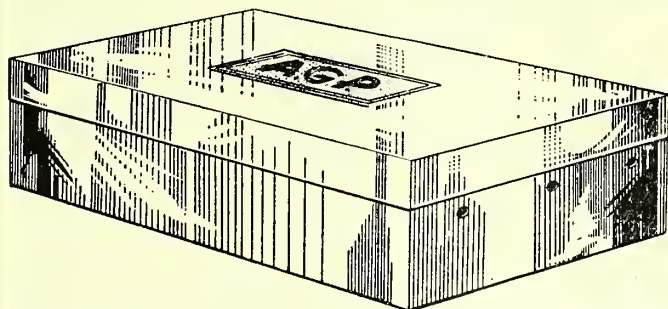
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Large quantities used at present time by local authorities for decontamination purposes in slum clearance areas. Produced at a cost which makes it readily available to the public . . .

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MANCHESTER 15



# TESTED AND APPROVED



## A.R.P.

BY

## A.G.P.

Anti - Gas Protection

### A COMPLETE OUTFIT FOR GAS-PROOFING ROOMS IN HOMES AND OFFICES

Lasts indefinitely.

Can be Used Repeatedly.

No Damage, No Nails, No Fittings.

No Special Room need be set aside.

Supplied with Full Illustrated Instructions.

ALL MATERIALS IN THE A.G.P. OUTFIT ARE PROOF  
AGAINST MUSTARD, LEWISITE & ALL KNOWN WAR GASES

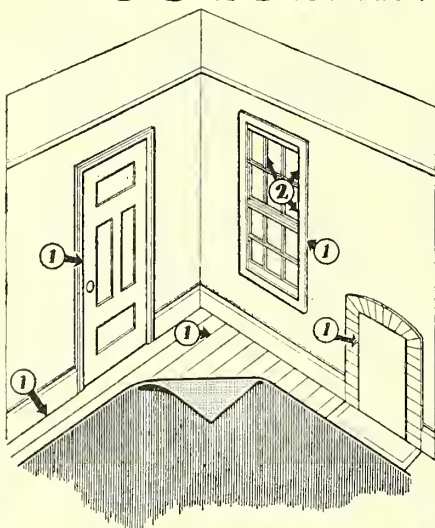
*Note.*—The Gas Mask which protects the lungs only is no protection  
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**Every Home, Every Office, is a Prospective Customer**

## TWO ITEMS OF OUTSTANDING INTEREST for A.R.P. WORK



Recommended and used by competent A.R.P. authorities

- 1 "DUREX" MASKING TAPE**  
—for sealing doors, windows, floor boards, fireplaces, etc., from gas penetration.
- 2 "DUREX" CELLULOSE TAPE**  
—for fixing "Cellophane" sheets to window panes to protect them from the effect of the blast of high explosives.

Write for full details of special display carton containing 12 rolls of each type in recommended widths.

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**SELF-ADHESIVE SEALING TAPE**  
IS THE IDEAL METHOD OF QUICKLY AND  
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SEND FOR SAMPLES & PRICES.  
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BEST IN QUALITY & APPEARANCE  
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# AIR RAID PRECAUTIONS

A.R.P.  
6

A.R.P. 5



## NOW AVAILABLE

*for Household use :*

### 'Paragon' First Aid Outfit No. A.R.P.4

Contents as suggested in official Home Office Booklet  
(omitting scissors)

Trade Price **36/- doz.**

Retail at **4/6 each**

### 'Paragon' First Aid Outfit No. A.R.P.5

Contents as above (augmented) including all necessary  
items for first aid treatment of Blister Gas injuries.

Trade Price (Cardboard box) **10/9 each** Retail at **15/- each**

Trade Price (Wooden box) **12/6 each** Retail at **17/6 each**

Also available, 'Paragon' First Aid Outfit No. A.R.P.6, a superior portable, wooden case containing a comprehensive range of materials suitable for Factories, Corporations, Public Bodies and large Air Raid Shelters. Also 'Paragon' Anti-Gas Tape in tins containing 20 yards of adhesive linen tape, 2 inches wide. Prices and particulars on application to T. J. Smith & Nephew Ltd. (Dept. C.D. 3), Neptune Street, Hull.

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# AIR RAID PRECAUTIONS AND SURGICAL DRESSINGS



Instantly opened

May we quote on your requirements?

Samples and prices of any of the following of our manufactures sent on request.

B.P.C. N.H.I. Dressings. First Aid Dressings. Absorbent Cotton Wool. Medicated Wools. Bacteriological Wools. Absorbent Gauze Tissue. Non-Absorbent Wool. Plain and Boric Lint. Cellulose. Wood Wool Tissue. Upholsterers' Wools. Cotton Waddings. Absorbent Gauze. Absorbent Medicated Gauze. Bandages (all classes). Sanitary and Maternity Pads. Accouchement Outfits. Waterproof Sheetings, Etc., Etc.

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IN SELF-DELIVERY CARTONS

For HOME FIRST AID now SAFE, SIMPLE, SPEEDY

Supersedes Ordinary Packs

Steraid is safer because the patent container protects each dressing from dirt and germ-laden atmosphere. A simple turn delivers the required length of dressing into the hand for cutting. Another turn encloses the remainder for further use.

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No Unwrapping . . . No Re-wrapping . . . No Waste. Every inch of Steraid is usable. Absorbent boric and absorbent plain lint packed in 2 in., 4 in., and 6 in. widths. Gazes available: Plain, Picric, Iodoform, Double Cyanide, Sal Alembroth, Sublimate and Carbolic. In large, medium, and small Steraid patent self-delivery cartons at popular prices.

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### PRICES

		Retail each	Medical each	Trade per dozen
Plain and Boric Lints	Large size ...	1/6	1/3	12/3
"	Medium " ...	1/2	1/-	9/3
"	Small " ...	-8	-7	5/5
Plain Abs. Gauze	Large " ...	2/1	1/9	17/-
"	Medium " ...	1/4	1/11	10/9
"	Small " ...	-9	-7 1/2	6/2
Picric Gauze	Large " ...	3/5	2/10	27/8
"	Medium " ...	1 11 1/2	1/8	15/8
"	Small " ...	1/-	-10	7/10
Iodoform Gauze	Large " ...	3/5	2/10	27/8
"	Medium " ...	1 11 1/2	1/8	15/8
"	Small " ...	1/-	-10	7/10
Sublimate Gauze	Large " ...	2 4 1/2	2/-	19/-
"	Medium " ...	1/6	1/3	12/-
"	Small " ...	-10 1/2	-9	7/-
Sal-Alembroth Gauze	Large " ...	2 4 1/2	2/-	19/-
"	Medium " ...	1/6	1/3	12/-
"	Small " ...	-10 1/2	-9	7/-
Boric Gauze	Large " ...	2 4 1/2	2/-	19/-
"	Medium " ...	1/6	1/3	12/-
"	Small " ...	-10 1/2	-9	7/-
Carbolic Gauze	Large " ...	2 4 1/2	2/-	19/-
"	Medium " ...	1/6	1/3	12/-
"	Small " ...	-10 1/2	-9	7/-
D. Cyanide Gauze	Large " ...	2/5	2/1	19/6
"	Medium " ...	1/7	1/4	12/10
"	Small " ...	-10 1/2	-9	7/-

Packed in display containers—Steraid Absorbent Boric Lint and Absorbent Plain Lint cartoned in 2 in., 4 in., and 6 in. widths. Steraid Plain and Medicated Gazes in 6 yd., 3 yd. and 1 yd. lengths.



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LIMITED

STOCKPORT AND LONDON

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**NEW BUSINESS AND EXTRA PROFITS FOR YOU**



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The Sets are available at prices ranging from 2s. 6d. each retail and a special Showcard and Window Stickers supplied with orders.

A pictorial showcard showing how to make a room gas-proof is supplied FREE with orders for A.R.P. Sets to the value of 20s.

We can also supply in quantities at competitive prices Anti-Gas Protection Suits in approved patterns.

Take advantage of the new Government A.R.P. drive. Display these sets in your window or on your counter. It will pay you handsomely.

We shall be pleased to send Price List or furnish information on request.

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APPEAL ENSURES

*a big  
regular  
demand!*

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THE *Family* SHAMPOO

● BRYLFOAM means big money. There's 37½% profit on every tube you sell. And when you sell BRYLFOAM you sell to everyone in the family! So see that your displays link up with the BRYLFOAM National advertising and that your stocks are sufficient. Order to-day and ask for showcards, etc. Remember, BRYLFOAM can be bought only at chemists and hairdressers.

**37½% PROFIT ON EVERY TUBE!**

PLEASE POST THIS COUPON

To: The County Perfumery Co.,  
North Circular Road,  
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Please ask traveller to call.

NAME .....

ADDRESS .....



Not sold by  
Chain Stores  
or Grocers

**WANIE  
BLADES**

EVER READY  
TYPE



FOR QUICK  
CLEAN SHAVES

The range of popularly priced Wanie Blades are all supplied in attractive packets. "Sales-Aid" Showcards are available.

THREE HOLE TYPE  
8/-, gross. Retail 12 for 1/-

AUTO TYPE  
9/-, 100. Retail 10 for 1/8

EVER-READY TYPE  
9/-, 100. Retail 10 for 1/8

**33½% IS YOUR PROFIT**

DISPLAY SHOWCARDS  
FREE TO ALL STOCKISTS

Dealers and Wholesalers  
should write for FREE  
SAMPLES and Trade Terms.

**LONDON & PROVINCIAL FACTORS LTD**  
146 THEOBALDS ROAD LONDON, W.C.1.  
and at 16 Withy Grove, Manchester

*Eucryl*  
Dentifrices



TOOTH POWDER



DENTURE POWDER

**BOUGHT ON  
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YIELD-**

**PROFIT ON SELLING  
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**43%**

**PROFIT ON BUYING  
PRICE**

**75%**

SHOWCARDS ON REQUEST  
**EUCRYL LTD.**  
Manufacturing Chemists  
**SOUTHAMPTON**



# Air Raid Precautions

## FIRST AID EQUIPMENT

As recommended in the Home Office Booklet,  
in handy form at the lowest possible price



### Air Raid Precautions

#### First Aid Cases

for  
Small and Medium Households

**4/6** each

#### CONTENTS

3 x 1 oz. Packets of Lint  
3 x 1 oz. Packets of Cotton Wool  
2 x Triangular Bandages  
3 x W.O.W. Bandages 1 in. x 3 yards  
3 x " " 2½ in. x 4 yards  
3 x " " 3 in. x 4 yards  
Stout string or cord  
1 doz. small safety pins  
Smelling Salts (3 ampoules)  
Sal Volatile (½ oz. bottle)  
Iodine (½ oz. bottle)

to Retail

**4'6** each (Trade Price)  
**36/-** dozen

*(Showcards free with orders of half dozen)*

## Evans Sons Lescher & Webb Ltd.

LIVERPOOL and LONDON

# I'VE RITTEN THIS LETTER MYSELF, MISTER CHEMIST



Thats 'cause I want to tell you I've maid lotts and lotts of frends since I lernt to do the multiplikation table. 4 times 3 is twelfe. That meens Curly Top is in boxes with 3 in a box. Hear is a picktute of it. Dont you think its nize.

Vosemar is pakked in the same way sept that its not got my picktnre on—but another lady's.

I think I'll let the printer man finish this after all—as its my bedtim.

With lnc,  
Tilly.

## ★ CURLY TOP

The natural hair curler lor babies, retails at 1/3d. per tube.

## ★ VOSEMAR

Natural hair waver for adults, retails at 1/6d. per tube.

## ★ VOSEMAR SHAMPOO

Soapless and sold in tubes containing over 12 shampoos, retails at 1/3d. per tube.

## ★ CURLY TOP SHAMPOO

Soapless and sold in tubes containing over 16 shampoos, retails at 1/3d. per tube.

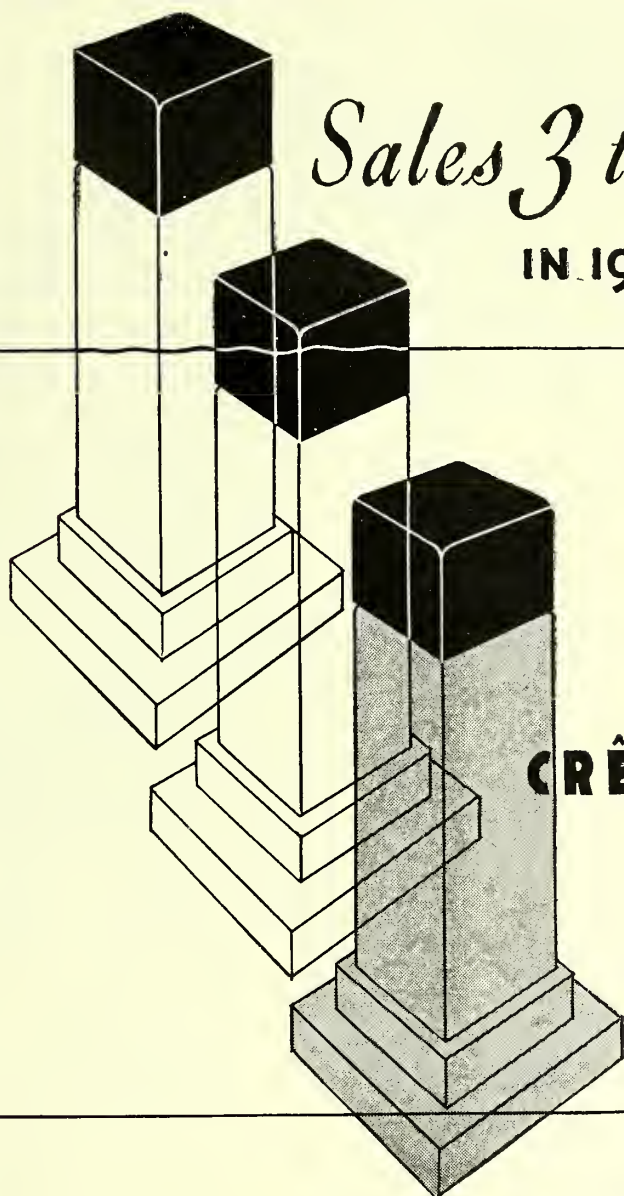
### MAKE SURE THE BIG SALES

resulting from our advertising campaign in over 40 publications—5,000,000 advertisements a week—come your way. Stock and Display Curly Top and Vosemar.

**VOSEMAR LIMITED**  
**BURY • LANCASHIRE**







*Sales 3 times greater*  
IN 1937 THAN IN 1936

Were you one of  
the high-class  
stockists to share  
in the vastly  
increased profits on

**CRÊPE DE CHINE**

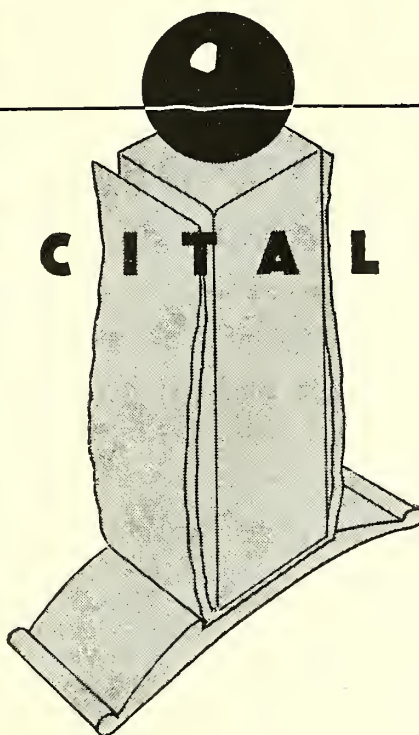
perfume  
last year?

*...and now, the new* **R É C I T A L**

Already the trade is predicting an equal success for Récital, a light, gay perfume, designed to complement the more exotic, arresting qualities of Crêpe de Chine. Again this year distinguished, eminently sales-compelling advertisements will occupy full pages and other large spaces in Vogue, Harper's Bazaar, Sketch, Tatler, Bystander, Britannia & Eve—making sales for all enterprising stockists. Come in on the crest of this wave of success!

**F. MILLOT**

PARFUMEUR  
11-12 CLIFFORD STREET, NEW BOND STREET  
LONDON, W.1



# INVEST IN EBE!

Here are three popular sizes of the famous EBE Bath Powders, the 6/6 and 2/6 "Cellophane" jars and the 6d. silver packets. It will pay you handsomely to stock them. Vastly increased press advertising has started throughout the country, together with editorial publicity support from many national magazines and newspapers, and the demand for EBE Bath Powders will be greater than ever.

The unique triple appeal of EBE Bath Powders, with their colour, foam and perfume, has gained thousands of regular customers during the past six months. Good news travels! During the next few months the demand for EBE Bath Powders will become universal, and the wise retailer is stocking up to-day to be ready for the orders of tomorrow. Get in touch with your wholesaler NOW!



## BATH POWDERS

retail at 6d., 2/6, 6/6, 15/6, 25/-, 30/-, 60/-

You are advised to stock immediately the three popular sizes:

**6d. - 2/6 - 6/6**

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11 Diana Place, London, N.W.1. Phone: Euston 3271



INCREASED PRESS ADVERTISING AND EDITORIAL HAS NOW COMMENCED. THE FOLLOWING PAPERS WILL BE INCLUDED.

Daily Mail • Daily Express • News Chronicle • Daily Sketch • Daily Mirror  
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 Woman & Beauty • Woman's Fair • Weldon's Ladies' Journal • Modern Woman  
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Richardson's

**Pills**

HAVE  
MADE

SINCE  
1793

**LET US QUOTE FOR  
YOUR REQUIREMENTS**

**John Richardson & Co**  
(LEICESTER) LTD.

*Manufacturing Chemists*  
EVINGTON VALLEY ROAD · LEICESTER

# IMPORTANT **U.G.B.** ANNOUNCEMENT

## *The NEW WHITE MOULDED KORKALITE SCREW CAP*

**MANUFACTURED FROM UREA POWDER—TASTELESS & ODOURLESS—FITTED COMPOSITION CORK LINERS RESISTOL FACED**

Commencing during March, 1938—as rapidly as present packed stocks are exhausted—the BLACK moulded screw cap has been replaced in the U.G.B. standard MOULDED screw cap service by the new pure WHITE cap. For many years there has been a strong preference for a WHITE cap but the manufacturing cost has been prohibitive. U.G.B. technicians have finally overcome the cost obstacle and we are now able to supply this much superior pure white moulded cap WITHOUT EXTRA COST to the user.

The Cork-Mouth and White Enamelled Aluminium Screw Cap Washed and Sterilized services are unchanged.



U.G.B. WASHED AND STERILIZED MEDICAL BOTTLES HAVE EVERYWHERE PROVED A LABOUR-SAVING AND ECONOMICAL PROPOSITION. THE UNIQUE U.G.B. PROCESS PASSES EVERY SINGLE BOTTLE, WHETHER CORK MOUTH OR FOR SCREW CAPS, THROUGH BOILING DISTILLED WATER AND DRIES IN SUPER-HEATED FILTERED AIR

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The largest Manufacturers of Glass Bottles in Europe

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*These two Remedies are always backed*  
by **★ BONUS TERMS**  
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**★ 60 YEARS A HOUSEHOLD WORD**

POTTER'S ASTHMA & CATARRH REMEDIES



Consistently advertised in all the great national newspapers thus ensuring a big demand

P.A.T.A. 1/3, 11/- Doz.  
Packed in 1/2 Doz.

**POTTER & CLARKE LTD.**

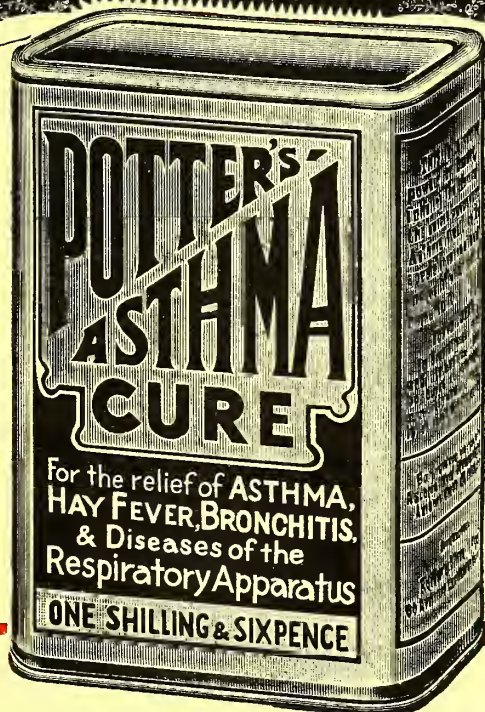
Retail 1/6, Wholesale 14/- doz.  
Packed in 1/2 Doz.

**60-64 ARTILLERY LANE, LONDON, E.1**

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'PHONE : BLACKFRIARS 8734  
'GRAMS : HOREHOUND, MANCHESTER



**BONUS TERMS**

**POTTER'S ASTHMA REMEDIES**

On orders for 6 dozen Potter's Asthma Remedies and/or Catarrh Pastilles we offer a bonus discount of 5% (Journey account, or if no journey, monthly account) in return for a window display of these goods. The prices of Potter's Advertised Remedies are

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POTTER'S CATARRH PASTILLES 11/- doz.



**50**

**YEARS OF SATISFACTION  
HAVE PROVED RENDELLS RELIABILITY**

**W. J. Rendell's "Wife's Friend" Soluble Pessaries.**  
 "The reliability of Rendell's Pessaries.  
 The Wife's Friend.  
 The sure and safe way to prevent disappointment."  
 W. J. Rendell, London.

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**All trading rights in reserve**  
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■ For over 50 years the RENDELLS Contraceptive has been used all over the World, and to-day its reputation stands higher than ever. It is absolutely reliable and completely fulfils the exacting demands which the Medical Profession requires of such an important product. Send for the latest Chemists' Advertising Material. It attracts new customers and gives confidence to the regular purchaser.

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**PLEASING — POPULAR — PRACTICAL**

GLASS BOTTLES  
for  
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and  
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New moulds to customers  
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Wholesale and Export only



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SHAW** LTD

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THREE FACTORIES · · · ALBERT · · · CLARENCE · · · DONISTHORPE



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# SURGO ELASTIC HOSIERY

FOR SPECIAL  
GARMENTS MADE TO  
MEASURE WE MAINTAIN A

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SUNDRIES

Permit us to quote you

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We create and manufacture high quality  
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ESTABLISHED 1828

BARNSELY

ENGLAND

# Staff Allen S

## CASCARA

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Wholesale only

**LIQUID EXTRACT**  
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**ELIXIR**

Staff Allen's Cascara Preparations are prepared only from well matured bark, and are of the highest quality. Send us your enquiries and orders.

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MANUFACTURING CHEMISTS & ESSENTIAL OIL DISTILLERS.

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Established 1833



# The GREAT ● NEW PERFUMED DEODORIZER



*The* COLTON  
IS UNRIVALLED

and SUPERSEDES the OLD-fashioned unattractive container and unpleasant contents, and is an essential fitting for every bedroom, dressing room, toilet, bathroom and cloakroom as it can be placed in the most inconspicuous position, with complete confidence in its hygienic action.

THE ATTRACTIVE ROSE Container is supplied in colour tones to match most schemes of decoration, and the deodorant tablet, entirely free from unpleasant chemical odours, is made in four delightful perfumes, ensuring not only perfect hygiene, but, also, a purified and pleasing atmosphere at all times. Please state perfume required — ROSE, VERBENA, LAVENDER and CARNATION.

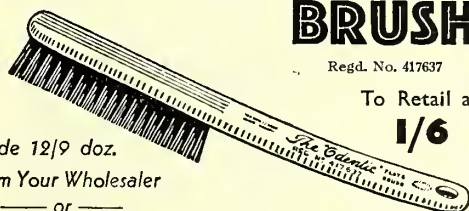
COMPLETE with TABLET **4/6**  
REFILLS  $\frac{1}{2}$  @ 9/- DOZEN

Nationally advertised in the Daily Mail, Daily Express, Daily Mirror and other national papers, and already enjoying a daily increasing demand. Order NOW!

Every HOME needs ONE!

**COLTON Hygienic PRODUCTS**  
27, BEAUCHAMP PLACE · LONDON · S.W.3 · Telephone 1177 · KENSINGTON

## "ODENTIC" PLATE BRUSH



Regd. No. 417637

To Retail at  
**1/6**

Trade 12/9 doz.

From Your Wholesaler

— or —

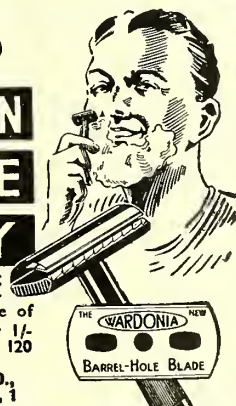
**W. R. SPEER & SON,**  
215 Dalston Lane,  
London, E.8 (EST. 100 YEARS)

**WARDONIA**

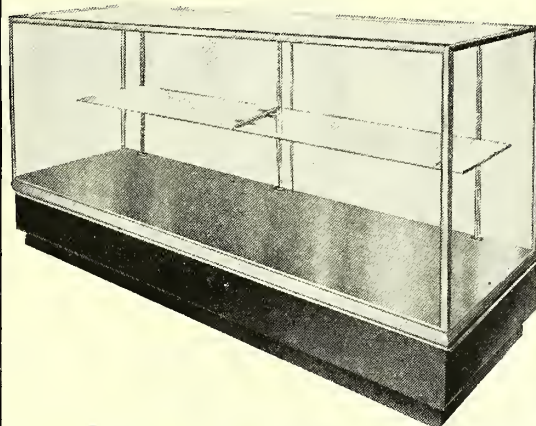
**A CLOSE, CLEAN  
QUICK SHAVE  
EVERY DAY**

Your customers will prefer the fine shaving qualities and long life of Wardonia Barrel-Hole Blades. Order NOW—large range of display material free. Blades retail 4 for 1/- and 10 for 2/6. Cost 21/- per box of 120 blades.

Sole Makers: **THOMAS WARD & SONS, LTD.,**  
Wardonia Works, Sheffield, 1

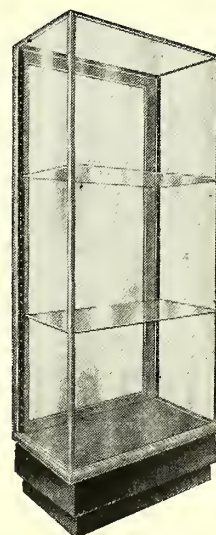


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This magnificent range of Showcases can be supplied with solid oak frames mounted on a polished black ebonised plinth or with mahogany frame mounted on a mahogany finish plinth. Glazed with new first quality drawn plate glass front, top and sides, with two frameless sliding doors at back,  $\frac{3}{4}$ " thick polished edges. Interior fitted with standard bar and adjustable brackets and one row of plate glass shelves 12" wide.

No. H4685 Size overall :—4' Long x 3' High x 2' B to F £6.15.0  
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No. H4687 " " 6' " x 3' " x 2' " £8.0.0



These handsome tallboy showcases can be supplied with solid oak frames mounted on a polished black ebonised plinth or mahogany frame mounted on a mahogany finish plinth. Glazed with new first quality drawn plate glass front, top and sides,  $\frac{3}{4}$ " thick, with a hinged glass door at back. Interior fitted with tapped bar and adjustable brackets and two plate glass shelves.  
No. H4688 Size overall :—6' high x 2' 6" wide x 1' 6" B to F £9.0.0  
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WE WILL BE PLEASED TO FORWARD OUR COMPLETE CATALOGUE OF FIXTURES AND FITTINGS AND PARTICULARS OF OUR DEFERRED PAYMENT SYSTEM No. 1013 POST FREE ON APPLICATION

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SHOPFITTING SPECIALISTS

**42-60 GOSWELL RD., LONDON, E.C.1**  
PHONES: CLERKENWELL 2316 (Private Branch Exchange)





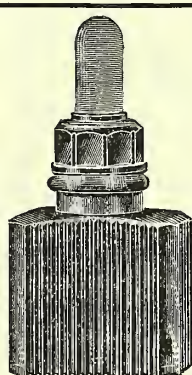
"Regulator" 308



"Oiltite" Amber Square 800



"Oiltite" Blue Poison 801



For Nasal Compound 799

## THE "OILTITE" DROP BOTTLES

"Regulator," fig. 308

4/-  $\frac{1}{2}$  oz., 4/3  $\frac{1}{2}$  oz., 5/- 1 oz.,  
6/- 2 oz., per doz.

"Oiltite" Square, fig. 800

4/6  $\frac{1}{2}$  oz., 4/9  $\frac{1}{2}$  oz., 5/3  $\frac{1}{2}$  oz.,  
5/9 1 oz., 6/3 2 oz., per doz.

"Oiltite" Poison, fig. 801

4/-  $\frac{1}{2}$  oz., 4/6 1 oz., per doz.

Nasal Compound 799

4/-  $\frac{1}{2}$  oz., 4/6 1 oz., per doz.



434

For **CORN SOLVENT** or **IODINE BOTTLES**  
SPECIFY "HOLLOPEG" BAKELITE FITTINGS

"HOLLOPEG" COSTS NO MORE

For **CORN SOLVENT**

	2	4 dr.
With Brush, Hex. . .	23/-	27/-
Round Bottles . . .	20/-	24/-
With Glass Pegs	1/6 less	

For **IODINE**

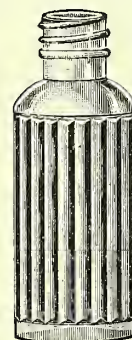
	$\frac{1}{4}$	$\frac{1}{2}$	1	2 oz.
White	2/-	2/6	3/-	3/9 doz.
Amber	2/4	2/9	3/3	4/- "
SPECIAL QUANT. PRICES				

From Wholesale Houses or from the Makers :

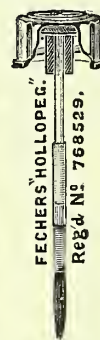
**M. J. FECHER LTD., 10 Dod Street, London, E.14**

'PHONE : EAST 3228

ESTABLISHED 1891



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**WE MAKE SHAVING  
BRUSHES FROM  
SUPERFINE BADGER  
TO PURE HOG**

ASK YOUR WHOLE-  
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ATTRACTIVE DISPLAY  
STAND AND OUR KEEN  
PRICE CATALOGUE

OR WRITE DIRECT TO

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HATTON GARDEN  
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TRADE  
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'TABLOID'

BRAND

## FIRST-AID

## AIR RAID PRECAUTIONARY EQUIPMENT

*For convenient, effective preparedness*TRADE  
MARK

'TABLOID'

BRAND

## FIRST-AID

**No. 732** A compact and inexpensive outfit providing the necessities for simple and rapid attention in such emergencies as minor wounds or contamination. Contents do not deteriorate in storage.

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DIMENSIONS.  $6 \times 4\frac{1}{2} \times 1\frac{1}{2}$  in.

Price 11/4 (subject)



DIMENSIONS.  
 $12\frac{1}{2} \times 8\frac{1}{2} \times 2\frac{1}{2}$  in.

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TRADE  
MARK

'TABLOID'

BRAND

## FIRST-AID

**No. 733** A very comprehensive outfit particularly suited to the requirements of nurses, ambulance workers and all those who, besides making personal provision, are likely to be called upon to give skilled attention to others.

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London Prices to the Trade



BURROUGHS WELLCOME &amp; CO., LONDON

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INSTEAD OF ONLY 1**



A bottle of  
"Milk of Magnesia"  
please

Certainly, Madam. . . . .  
Have you ever tried "Milk of Magnesia"  
TABLETS? They are very convenient  
to carry and are most effective.



*The  
Mild, Safe  
Laxative  
Antacid*

**DISPLAY THEM—SELL THEM  
TOGETHER**

PROPRIETARY AGENCIES LTD., 179 ACTON VALE, LONDON, W.3

"Milk of Magnesia" is the registered trade mark of Phillips' preparation of Magnesia



# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London"

Telephone: Central 6565 (10 lines)

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AUSTRALIA: 19 QUEEN STREET, MELBOURNE, C.I  
NEW ZEALAND: 55A SHORTLAND STREET, AUCKLAND  
PARIS: 155 AVENUE DE WAGRAM, XVII<sup>e</sup> (TEL.: ETOILE 19-79)  
AMSTERDAM-C. HOLLAND: PLANTAGE FRANSCHELAAN 32

## News of the Week

### Business Changes

MR. W. H. EVANS, M.P.S., is shortly opening a new business at 4A Caen Street, Braunton, Devon.

TIMOTHY WHITES & TAYLORS, LTD., will shortly be opening a branch pharmacy at 145 High Street, Orpington.

### Glass Convention

The fifth British Glass Convention, to be held in Droitwich from May 18 to 21, is to have the general theme "The Trade Cycle." The presidential address will be entitled "Craftsmanship in Industry," and, during the Convention, papers will be read on "Recent Industrial Legislation," "Plastics, and Their Relation to the Glass Industry," and "Industry and the Trade Cycle," while a general discussion will take place on "Glass Fire Finishing Processes." An exhibition to illustrate the trend of glass design from the late nineteenth century to the present day and a "Glass Age Exhibition Train" will be on view during the Convention. The secretary is Mr. Geoffrey Marchand, Norwich House, 13 Southampton Street, London, W.C.1.

### A.R.P.

The co-operation of members of the Wembley and District Chemists' Association has been promised to the Wembley Council in its air-raid precautions scheme. This decision was made at a recent meeting of the Association when a committee of five was appointed to collaborate with the Council. Shops belonging to members of the Association will be used as information bureaux. Mr. R. Harley, chief warden of the district, addressing the meeting, said that chemists could serve a useful purpose by giving help and advice. Mr. J. Eddas, A.R.P. officer to the Council, who also spoke, said chemists' shops could also be of service as warden hosts. Chemists engaged in factories, he added, could render valuable assistance as gas detectors, and could help at first-aid posts, the personnel of which would be about 200, including six dispensers. Mr. E. Ratcliffe, secretary of the Association, said he thought that chemists in the district should be officially recognised as pharmacists in the scheme. Medical and surgical supplies at first-aid posts could be put in charge of chemists. He brought along for inspection a first-aid set prepared to the Home Office specifications, which he said would be available for about 4s. Mr. Harley gave the assurance that qualified instructors would be placed at the disposal of the Association, as it was essential that its members be completely informed.

Detailed suggestions for the organisation of medical services in air-raid precautions were given in a paper read before the Royal Society of Medicine recently by Colonel E. M. Cowell ("British Medical Journal," April 26, p. 910). The author recommended that surgical and medical consultants should be appointed in time to instruct volunteer surgeons, physicians and anaesthetists. A personnel of one in thirty of

the population needed to be trained in densely populated areas, it was stated, and a personnel of one in fifty for medical purposes only. Among persons appointed for medical duties, one in twenty-five would need to be a doctor. Dentists and final year medical students could serve as assistants to operating surgeons. For duties following an air attack, stretcher parties would need to be equipped with oilskin-covered stretchers, blanket, surgical haversack and spare respirators, while emergency cases should contain dressings, splints, tourniquets, scissors and pins. As first-aid posts, schools were suggested. The size of first-aid posts should be sufficient to accommodate approximately 300 cases, and the staff might well be fifty, including twenty-five nursing orderlies and one doctor. One casualty clearing hospital would be required for a district with a population of 100,000. Although mobile operating theatres that could be rushed to any area in emergency might appear to be useful, they were not recommended by the author, who was in favour of efficient first-aid treatment followed by rapid removal to hospital.

A meeting of the Leicester and Leicestershire Branch of the Pharmaceutical Society was held recently to consider the city's air-raid precautions scheme. Members had been asked beforehand to fill in a questionnaire showing whether they were prepared to join as air wardens. The response to the appeal sent out was shown in the largest attendance of the session. Miss Perkins, who presided, outlined the proposal that pharmacists in business should take on the duties of air wardens outside business hours. This, she explained, had met with the approval of the City A.R.P. Committee. Mr. F. Purse (secretary) said he thought first-aid lectures could be arranged under the same conditions applied in instruction given to air wardens. It was proposed by Mr. Mellor, seconded by Mr. Ward, and carried: "That the pharmacists of this city are agreed to sign on as air-raid wardens and to offer their business premises as ward stations during business hours."

A meeting of the West Middlesex Pharmacists' Association was held in Ealing on April 26 (Mr. F. G. Wells, a member of the Society's Council in the chair) to hear an address by Major A. C. E. Caiger (air-raid precautions officer for the Borough of Ealing). The speaker said that a few months ago his attention had been drawn to the useful help that might be given by chemists without leaving their shops. The registration of the infirm was particularly wanted, and here the chemist was favourably situated. He would like members to consider what they could do in the fitting of respirators and to allow their shops to be air-raid wardens' posts for the giving of information on A.R.P. He would be glad for chemists to become wardens themselves, while remaining at their shops. Mr. Wells said the best way to help seemed to be to appoint a small committee to report to Major Caiger.

## CONTENTS

See p. 503



This was agreed to, and the following were nominated: Messrs. F. G. Wells, F. Browne, W. Coutts-Evans, E. A. Parr and G. Robinson. Mr. J. E. Goodall explained what had been done in Wembley. Questions were asked by Messrs. Kirby, Browne, Bryant, Stockwell and Passingham. Councillor Bliault said that the Ealing Council and A.R.P. Committee would try to meet chemists in any request. A vote of thanks was proposed by Mr. Marns, seconded by Mr. Browne. Mr. G. M. Bryant subsequently proposed a resolution expressing confidence in Mr. F. G. Wells and assuring him of their votes at the forthcoming Council election. Mr. Goodall seconded and Mr. Marns supported. The resolution was carried unanimously.

### Inquests

At Liverpool, on April 5, the coroner returned a verdict that the death of Mrs. Agnes Gough was due to acute poisoning with methylated spirits.

At Birkenhead, on April 4, a verdict that Mrs. Kathleen Ann Kilroy died from heart failure consequent on intentional swallowing of a quantity of lysol was returned.

At Reading, on April 14, an inquiry was held into the death by potassium cyanide poisoning of William Cowley, Brunswick Hill, Reading. A verdict of suicide was returned.

At Paddington, London, on April 20, a verdict of death by misadventure was recorded at an inquest on Miss E. M. Whitfield, who died from the effects of an overdose of gardenal.

At Paddington, London, on April 19, during an inquiry into the circumstances attending the death of Mrs. Helen Haslam, Fulham, evidence was given that the deceased took hydrochloric acid in mistake for water which she kept in a medicine bottle. A verdict of "Death by misadventure" was returned.

At Wallasey, Cheshire, on April 16, an inquest was held on Miss Annie Leigh, Sale, who died in hospital the previous day. It was stated that the deceased admitted taking 100 aspirin tablets. The hospital surgeon stated that death was due to respiratory failure. The coroner returned an open verdict, stating that there was not sufficient evidence to show in what circumstances the tablets were taken.

At the inquest at Liverpool, on April 26, on Mr. T. E. Lescher (see p. 501), the coroner returned a verdict of "Accidental death." A skating instructress stated that Mr. Lescher suddenly collapsed and his head struck the floor. Dr. Owen Williams, of Liverpool Royal Infirmary, said Mr. Lescher died without regaining consciousness. His skull was fractured. In reply to the coroner, witness said there was nothing to show the cause of collapse and no sign of apoplexy.

### Bath

**PHARMACY STUDENTS.**—The retiring chairman (Mr. W. W. Heseltine) opened a recent meeting of Bath Pharmacy Students' Association. The treasurer (Mr. R. Simpson) reported that the society had a substantial balance in hand. The secretary (Mr. B. Olive) also presented his report. The retiring committee were re-elected for the forthcoming year, with the addition of Miss Mathews. Officers elected were: Mr. B. Olive, *President*; Mr. R. Simpson, *Secretary*; Mr. W. W. Heseltine, *Treasurer*; and Mr. K. Light, *Press Secretary*. Mr. B. Olive was also elected *Chairman of the Social Committee*, with Mr. G. G. Smith as *Secretary*. Of the Pharmaceutical and Educational Committee Mr. W. W. Heseltine was appointed *Chairman* and Mr. R. Simpson *Secretary*. The other members forming the Executive are Miss Mathews, Messrs. R. Packer, A. Stockton and D. Tuddenham. It was decided to approach the local Air Raid Precautions Warden with a view to organising a series of lectures for the society in connexion with A.R.P. and the scientific study of poison gases and bombs.

### Blackburn

**NORTH-EAST LANCASHIRE BRANCH.**—An address on "Modern Therapeutic Agents" was given to the North-East Lancashire Branch of the Pharmaceutical Society recently by Mr. E. R. C. Edyvean (British Drug Houses, Ltd.), who later answered many questions. Mr. H. H. Atherton presided. A vote of thanks was proposed by Mr. H. Carter and seconded by Mr. W. H. Lightbown.

### Carlisle

**SOUND FILMS.**—Members of the East Cumberland Branch of the Pharmaceutical Society were entertained by Bayer Products, Ltd., recently, to an exhibition of two sound films,

"Malaria" and "The Olympic Games, 1936." In his opening remarks as chairman, Mr. J. Sharp mentioned that 1938 was Messrs. Bayer's fiftieth anniversary, and referred to the many valuable contributions to materia medica which the firm had pioneered during that time. A vote of thanks was proposed by Mr. T. M. Ridley (vice-chairman) and seconded by Mr. G. Lightfoot (secretary). Mr. Edenborough replied for Bayer Products, Ltd.

### Cheltenham

**LECTURE AND WORKS VISIT.**—At a meeting of the Cheltenham and District Branch of the Pharmaceutical Society, recently, a lecture was given by the secretary (Mr. J. W. Hansen, works chemist, Ucal, Ltd.) on "Some Aspects of Pharmaceutical Manufacturing." By means of lantern slides the details of apparatus for large-scale production, such as homogenisers, lozenge machines, tablet machines, and so forth, were explained. Methods of analytical control by means of tintometer, polarimeter and ultra-violet apparatus were also dealt with. On April 6 members of the Branch visited the Ucal works, Cheltenham, and, in a tour lasting some two hours, inspected the various processes of manufacture, filling and finishing. Tea was taken at the works, and afterwards the president (Mr. C. K. Gregory) expressed the thanks of the branch to the lecturer and to the directors of Ucal, Ltd.

### Coventry

**C.F. RESOLUTION.**—At a meeting of Coventry and district pharmacists Mr. J. E. Blackwell (chief chemist, Genatosan, Ltd.) gave an address on "The Chemists' Friends Scheme from the Manufacturers' Point of View." After discussion, the following resolution was adopted: "That this meeting of the pharmacists of Coventry and district consider that no preparation should be accepted on the Chemists' Friends List unless it is proved to be therapeutically sound." A vote of thanks was proposed by Mr. Bonham. Mr. W. A. Bales was in the chair.

### Huddersfield

**ELECTION OF OFFICERS.**—The annual meeting of the Huddersfield Pharmacists' Association and Branch of the Pharmaceutical Society was held recently, when the following officers were elected: *President*, Mr. N. Lander; *Vice-President*, Mr. J. L. Murgatroyd; *Secretary*, Mr. H. Bradshaw, 166 Long Lane, Dalton, Huddersfield; *Assistant Secretary*, Mr. M. Peel. The secretary, in his report, referred to the local advertising scheme, Chemists' Friends synchronised displays, Air-Raid Precaution classes, dried-milk scheme, and the formation of the West Riding Branch co-ordinating committee. The president and secretary were appointed representatives to the British Pharmaceutical Conference, Edinburgh. The president expressed his appreciation of the help and support that members had given during the past year and paid a special tribute to the secretary. Messrs. A. Sykes and N. North were appointed to organise efforts on behalf of the Society's Benevolent Fund.

### Hull

**WORKS VISIT.**—Hull Chemists' Association visited the works of the "Hull Daily Mail" recently. A vote of thanks to the company was proposed by Mr. A. Surfleet (president) and seconded by Mr. H. Boys (vice-president). Mr. A. Smith replied for the "Mail."

**MUNICIPAL BY-ELECTION CANDIDATE.**—Mr. A. L. Spink, M.P.S., has been chosen by the Hull Municipal Association to contest a forthcoming municipal by-election in West Central ward. Mr. Spink has been in business in Beverley Road, Hull, for six years, and has three branch establishments. He has been on the committee of the Hull branch of the Pharmaceutical Society for the past two years.

### Leeds

Mr. JOHN RENNIE, M.P.S., managing director of W. B. Cartwright, Ltd., Rawdon, Leeds, has been re-elected chairman of the Aireborough Urban District Council.

**DEBATE ON PHARMACY.**—Leeds Branch of the Pharmaceutical Society, recently, debated whether pharmacy is or is not worth while. Councillor H. Hodgson occupied the chair, but took no part in the debate. Mr. N. N. Armitage (a past-president of the Proprietary Articles Trade Association) moved



"That pharmacy is not worth while as a business or a profession." He was seconded by Mr. E. Buckley (chairman-elect of the branch). Messrs. F. C. Stock and N. H. Burns (chairman, National Pharmaceutical Union Branch) opposed. Other members took part in the discussion, and eventually the meeting decided by twenty-five votes to twenty-three that pharmacy is worth while. Mr. Armitage admitted he had his hall-mark of respectability—his qualification—but declared that many chemists tarnished theirs. Personality, he said, was a great asset, but personality alone would not keep the wolf from the door.

Mr. E. Buckley, seconding the proposition, said he based his own argument that pharmacy was not worth while on the utter lack of freedom for the retail chemist. Mr. F. C. Stock suggested most master chemists were living comfortably to-day and managers' and assistants' wages were by no means bad, though they might be better. Furthermore, the curse of unemployment was almost unknown in the craft. Mr. H. N. Burns, seconding, suggested that pharmacists had a great asset in their closed profession. Mr. J. H. Gough, contending that pharmacy was worth while, said much depended on the man himself. Mr. Wright felt there was nothing more elevating than to have a skilled craft in one's hands. Mr. Ronald Levine, a student who had during the evening received the Leeds branch annual prize, said some of the observations of the evening made a young man in the craft wonder what were the prospects. Mr. Rosen suggested there would be more freedom if chemists adopted the rota service system more widely. Mr. Stone felt most chemists knew the conditions of pharmacy when they entered it and therefore he presumed they found it worth while. Mr. Zachary said much depended on whether the question was based on pharmacy as a trade or as a service. The public must be supplied with a well-organised medicine service, but it should be confined to pharmacists and afford a remuneration more in keeping with the study and qualification involved. Pharmacy must be controlled by pharmacists, including prices and hours. Mr. Mitchell considered pharmacy worth while in view of the fact that one could start business on a more limited capital than in most trades, and get a quicker cash return. Mr. Peters suggested the question depended on how the pharmacist upheld his own fees and prices. Mr. Paul Dobson contended that examination of the failures list in the trade press showed that many proprietor pharmacists were not earning as much for themselves as a qualified assistant's wage. The monopoly service, being hemmed in by legislative control, was as much a liability as an asset. Miss Cousins (secretary, N.P.U. Branch) felt much fun could be got out of pharmacy by studying the wide variety of public who had to be served. Mr. G. C. Crummack (secretary, Pharmaceutical Society Branch) placed himself in the scale against pharmacy being worth while. As one who moved about the country a good deal he saw many sad examples of pharmacy assistants' conditions, and he considered pure pharmacy, according to the intentions of the chemist's training, was hardly being practised at all to-day in this country. Mr. Harold Haw considered pharmacy not worth while unless it could enable a chemist to retire at age fifty-five with sufficient accumulated to provide him with two-thirds of his working income.

### London

**STAFF DINNER.**—The second annual dinner, cabaret and dance of the staff of Ascotts Pharmacies (1933), Ltd., was held at the Strand Corner House recently. The dinner was presided over by Mr. John Parker (chairman), supported by the directors. The chairman thanked the staff for their efforts during the year, several managers suitably replying. Dancing followed till midnight.

**N.P.U. SECRETARY AT GREENWICH.**—A meeting of the South-East London Branch of the National Pharmaceutical Union was held at Greenwich, recently, Mr. W. C. Spooner in the chair. Mr. G. A. Mallinson addressed the meeting on "General Pharmaceutical Topics." He stated that more general agreement over coding of prescriptions was wanted. Could the functions of the N.P.U. be done by any other body? Mr. Mallinson declared they could not. It would be impossible for the Society to do the work, because the majority of its members were non-proprietor chemists. The Ministry of Labour was conducting inquiries into means to control wages and working conditions of people employed in the distributive trades. A representative Council, with forty to sixty employers' and

employees' representatives, was visualised, and general conditions for employer and employee were to be enforced by Act of Parliament. This was a work which would have to be undertaken on behalf of pharmacy and which no one but the N.P.U. could undertake. He had been throwing his weight against this suggested legislation, but was tired of interference. Why should not chemists control their own calling, Mr. Mallinson continued. Why should they not be able to keep a minimum retail price and a reasonable rate of profit? It was the minimum retail price and assured profit that had tempted so many outside traders. This, he believed, was entirely due to the protected profit; they could not do without the P.A.T.A., but it carried that disadvantage. They had an opportunity with the Chemists' Friends' movement, and he suggested that they should use their windows to show goods that gave a decent margin of profit. For the first time National Health Insurance seemed to have become a matter of interest to the members of the Pharmaceutical Society's Council. Why this year? He suspected it was because, having absorbed the 1933 Act, members were hard up to justify their existence. In the discussion which followed, Mr. Gillman asked why certain goods were not eligible for the C.F. list, and Mr. Harrison asked why contraceptives were also not eligible. Mr. Mallinson pointed out that it would be bad policy to put contraceptives on the C.F. list, and that was not what the movement was intended for. Mr. Victor Reed made reference to a test made by Mr. Mallinson and Mr. Milner as to the number of chemists on the clearing-house scheme; he thought there should be more. A vote of thanks was proposed by Mr. Paterson and seconded by Mr. Tucker.

### Manchester

**GOLF.**—The Manchester and District Chemists' Golfing Society held its annual meeting on April 12, the president (Mr. J. H. Franklin) in the chair. The secretary (Mr. W. E. Phillipson) reported a successful season, and the treasurer's report showed a small balance in hand. The following officers were elected:—*President*, Mr. J. H. Franklin; *Secretary*, Mr. W. E. Phillipson; *Treasurer*, Mr. J. W. Aves; *Assistant Treasurer*, Mr. Compston. Fixtures for the coming season were discussed, and it was agreed that competitions and matches be held on the following courses:—Romiley, Sale, Appleton Warrington, Davyhulme, Mere, Cavendish, Buxton, Prestbury, Chorley, Sandiway and Northenden. The match against the Liverpool Society for the Gibbs trophy and replicas will probably be played at Warrington, and for the B.D.H. trophy against Birmingham at Hawkeston Park, Salop. A resolution warmly supporting Mr. Franklin's candidature in the Council election was passed unanimously.

Chemist golfers in the area of Greater Manchester are invited to join the Golfing Society. Application should be made to the secretary, W. E. Phillipson, 4 Hilltop Avenue, Blackley, Manchester.

The innovation of a joint annual general meeting of the Manchester Pharmaceutical Association and the Manchester, Salford and District Branch of the Pharmaceutical Society recently was successful. The president of the Association (Mr. J. W. Wood) was in the chair. The report of the Association council and the Branch executive was read by the secretary (Mr. T. Miller), who stated it was the seventy-first annual report of the Association. The report of the junior branch of the Association was presented by its secretary (Mr. A. Harding). The treasurer (Mr. W. I. Scholes) submitted the annual report and balance sheets of both organisations, showing satisfactory balances to carry forward. All the reports were adopted. The chairman announced that existing members only had been nominated as candidates for the Association council, and he declared them duly elected. The auditor (Mr. J. W. Bygott) and the librarian (Mr. H. Brindle) were re-elected. A vote of thanks to the president and to the chairman of the Branch (Mr. J. H. Franklin), proposed by Mr. J. Grier, was carried. In the election of the Branch Executive, Manchester and Salford members were re-elected *en bloc*. After a ballot vote the following were elected for the county district:—Messrs. E. Berry, H. Burlinson, W. Edwards, A. Harding, T. Miller, W. I. Scholes, G. V. Tyler and J. R. Walmsley. Miss Roberts and Messrs. T. Miller, H. Steinman and A. E. Thorpe were appointed *Conference Delegates*. A resolution, "That a Select Committee be appointed to discuss and formulate plans for the reorganisation and simplification of Pharmaceutical



organisations in Manchester," proposed by Mr. W. Edwards and seconded by Mr. J. R. Walmsley, was accepted by the meeting after discussion, a committee of six members being appointed to deal with the matter and report. A resolution expressing confidence in Mr. J. H. Franklin and giving the fullest support to his candidature in the Society's Council election, which was proposed by Mr. T. Miller, seconded by Mr. A. Harding and supported by Mr. W. I. Scholes, was carried unanimously.

### Merseyside

**LEGISLATION SOUGHT.**—A resolution urging legislation to prevent doctors leaving dangerous drugs in motor cars in such a way that they could be stolen was passed by the public safety committee of the Liverpool and Merseyside Safety First Council on April 13.

**ANNUAL MEETINGS.**—The annual meeting of the Liverpool Branch of the National Pharmaceutical Union was held on April 12, when the following officers were elected:—*Chairman*, Mr. J. L. Hirst; *Secretary and Treasurer*, Mr. L. W. Mussell; *Committee*, Messrs. G. L. Clubb, B. Hale, W. E. Humphreys, J. Allen Jones, L. Moreton Parry, J. Rae, W. E. Shepherd, W. J. Tristram (*ex officio*). Mr. G. L. Clubb proposed a vote of thanks to the retiring secretary (Mr. W. J. Tristram), seconded by Mr. L. W. Mussell and supported by Mr. J. L. Hirst.

The Liverpool Chemists' Association held their annual meeting on the same date. Mr. John Rae and Mr. W. E. Humphreys were elected *President and Vice-President* respectively for the second successive year. The Council was re-elected *en bloc*. Other officers appointed were:—*Secretary*, Mr. W. E. Shepherd; *Treasurer*, Mr. M. S. Hughes; *Auditors*, Messrs. J. S. Emlyn and Mr. J. Williamson. The treasurer's statement of accounts showed a credit balance on the year's working of £14, and cash in the bank amounted to £91. On the proposition of Mr. W. J. Tristram, seconded by Mr. L. Moreton Parry, Professor W. J. Dilling was elected an honorary member of the Association.

### North Staffordshire

**LECTURE ON CANCER TREATMENT.**—Dr. Desmond J. Riordan (radiologist, North Staffordshire Royal Infirmary) addressed a meeting of the North Staffordshire Branch of the Pharmaceutical Society on April 19 on "The Modern Radiotherapy Treatment of Cancer." The lecture was illustrated by lantern slides. The president (Mr. Howard Moorby) was in the chair, and a vote of thanks was proposed by Mr. R. C. Plant (dispenser at the Infirmary).

**CHURCH SUNDAY.**—Many members of the North Staffordshire Branch of the Pharmaceutical Society and their wives accompanied the branch president to Forsbrook Parish Church on April 24 on the occasion of the branch annual church Sunday. The sermon was preached by the Vicar of Forsbrook (chaplain to the branch).

### Preston

**OUTING TO RUNCORN.**—Recently a party of about sixty members, including assistants and apprentices, connected with the Preston and District Pharmacists' Association visited Evans' Biological Institute, Runcorn. The visitors were received by Mr. Edward Evans and Dr. Mitchell. Mr. Ellery took charge of the party, and after inspection of the stables gave a demonstration of the injection of toxoid and withdrawal of blood for antitoxin. The party then divided into four groups to visit the bacteriological, physiological and the serum-testing laboratories. Tea was provided in the staff canteen. Thanks were expressed to Dr. Mitchell and his staff by Miss E. F. Seed and Mr. G. F. Livesey.

### Worcester

**ANNUAL DINNER.**—At the annual dinner of the Worcestershire and Herefordshire Branch of the Pharmaceutical Society, recently, Mr. F. Lewis Smith (chairman) proposed the toast, "The Pharmaceutical Society." He said progress had been made in the right direction in recent years, both on the scientific side and in looking after the individual chemist. The Society's new laboratory, the premier one in England, was appreciated not only by the medical profession but by the general public throughout the world. A prophecy that in a few years' time the dependants of insured persons would be brought under the National Health Insurance scheme

was made by Mr. Rowsell in his reply. He expressed an optimistic view of the future, forecasting great things from the inquiry into the position of pharmacy in England. "The Medical Profession" was submitted by Mr. D. G. Pout (vice-president). Dr. Griffin, in reply, thought that the general tendency was towards a unification of the medical and pharmaceutical services. Mr. A. Westley Gedge (chairman, Pharmaceutical Services Committee), submitting the "Worcestershire and Herefordshire Insurance Committees," spoke of the cordial relations between the Pharmaceutical Committee and the Insurance Committee. Last year, he said, there were 460,000 prescriptions in Worcestershire and very few had had to be referred to the Committee. Mr. E. Rowlands (chairman, Herefordshire Insurance Committee) and Mr. G. A. Short (clerk, Worcestershire Insurance Committee) responded. Mr. Short pointed out that sixty-three tests were made during last year and in only three cases were fines inflicted on the chemists. He drew attention to the increase in the number of insured persons in Worcestershire, which had advanced from 85,000 to 150,000 in the last twenty years. Ald. A. E. Coverdale proposed "Our Guests," to which Mr. E. Newton (clerk, Herefordshire Insurance Committee) responded. Tributes to the president were paid by Mr. G. A. Turner, who proposed his health. A small ceremony took place just prior to the dinner, when the president (Mr. Lewis Smith, Hereford) was invested with a badge of office by Mr. P. F. Rowsell.

### Miscellaneous

**FAIRCHILD SCHOLARSHIP AND PRIZES.**—The date of this year's examination for the Fairchild scholarship and prizes has been fixed for June 16. Application forms are now available and may be obtained from Mr. H. Skinner, c/o Fairchild Bros. & Foster, Albert Chambers, 65 Holborn Viaduct, London, E.C.1.

**IN THE COURTS.**—At Southend County Police Court, on April 19, Britacies, Ltd., were fined £15 for using the title "chemists" at their shop at Hadleigh; £5 for selling mercuric oxide in an ointment, not being authorised sellers of poisons, and 10s. for selling mercuric oxide in an ointment in a container not marked in the manner prescribed.—At East Ham Police Court, London, on April 21, Mr. H. Jones, M.P.S., was fined £5 for selling a drug to the prejudice of the purchaser. It was alleged that ammoniated tincture of quinine had been supplied instead of dill water.—At Greenwich, recently, Mr. L. Harman, M.B., was summoned for failing to produce his register of purchases of dangerous drugs on demand. The case was dismissed under the Probation of Offenders Act, on the payments of seven guineas costs.

## Irish Notes

### Pharmaceutical Society of Ireland

**EXAMINATION RESULTS.**—The following are the results of the April Licence examination held by the Pharmaceutical Society of Ireland: Passed with honours, M. J. Dunn; passed, P. J. Cahill, George Chambers, J. J. Doyle, John Driffin, Margaret M. Duffy, J. J. F. Fitzgerald, F. J. Gallagher, Sarah G. Knox, Bridget O'Keeffe, D. G. O'Leary, D. F. O'Riordan. Twenty-five candidates presented themselves. Three candidates who entered for the Registered Druggist examination failed.

### Dublin

**MERCANTILE ASSOCIATION PRESIDENT.**—Mr. F. J. Robinson, M.P.S.I. (managing director, Hayes, Conyngham & Robinson, Ltd.), has been elected president of the Dublin Mercantile Association.

**P.D.A. LECTURE.**—A lecture-demonstration on "Photographic Materials of 1938" was given by Mr. R. Kerley to the Dublin Branch of the Photographic Dealers' Association at Jury's Hotel recently.

### Miscellaneous

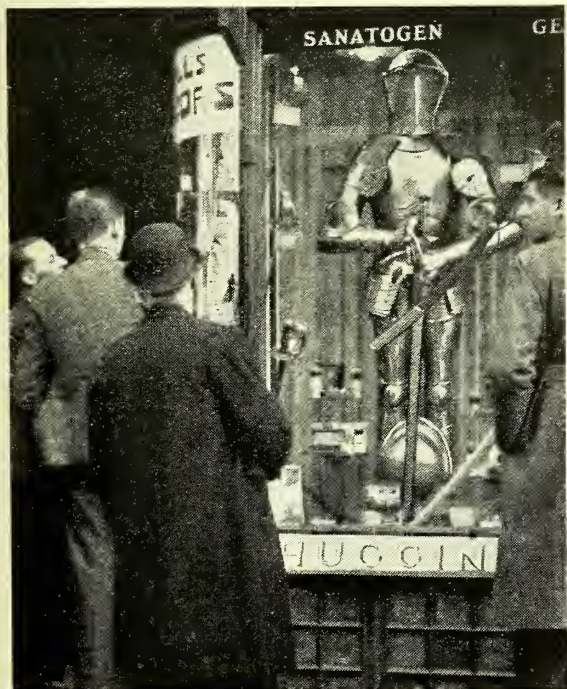
**APPOINTED PRESIDENT.**—Mr. J. Martin Poots, Ph.C., has been appointed president of the newly-formed Newtownards Chamber of Trade.

**PHARMACIST IN MOTOR TRIAL.**—Mr. R. S. Chapman, Ph.C., Donegal, who was the veteran entrant in the Circuit of Ireland motor trial, was two and a half minutes late at the finish.

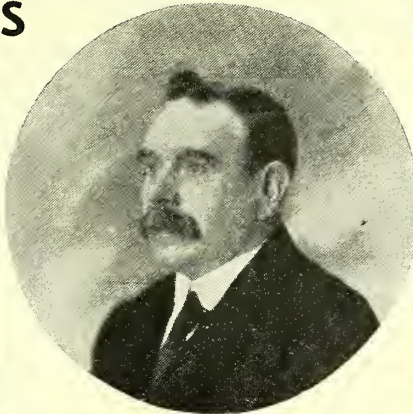


# News in Pictures

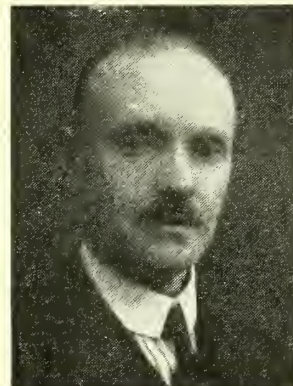
LOCAL CHAIRMEN AND PRESIDENTS RECENTLY ELECTED



**ROBOT SWORDSMAN AS RAZOR SALESMAN**—"Knight" in armour which attracted considerable attention as centre-piece of a display of Wilkinson "sword" razors at a Strand, London, pharmacy.



Mr. W. F. Hay (Aberdeen Association)



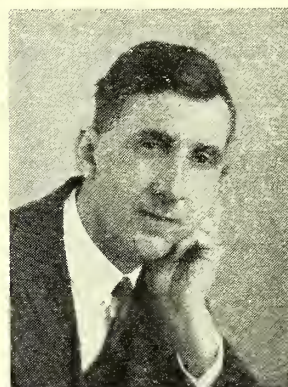
Mr. J. Ramsay (Glasgow Branch)



**Above, ZIPP-FASTENED PLASTER CAST**—Device employed by certain Philadelphia, U.S.A., surgeons for treatment of spinal cases. The cast may be removed for inspection of the back.

**Left, VETERAN EMPLOYEES**—Mr. L. G. Lawrence (sixty years' service) and Mr. E. West (fifty) receiving congratulations from Mr. A. T. Maw (chairman) and Mr. A. F. Porter (managing director) upon their long terms of service with S. Maw, Son & Sons, Ltd.

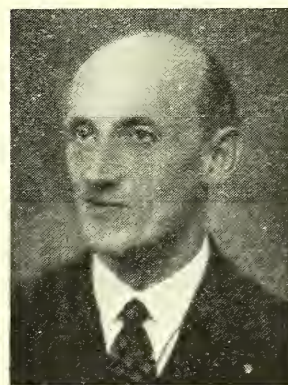
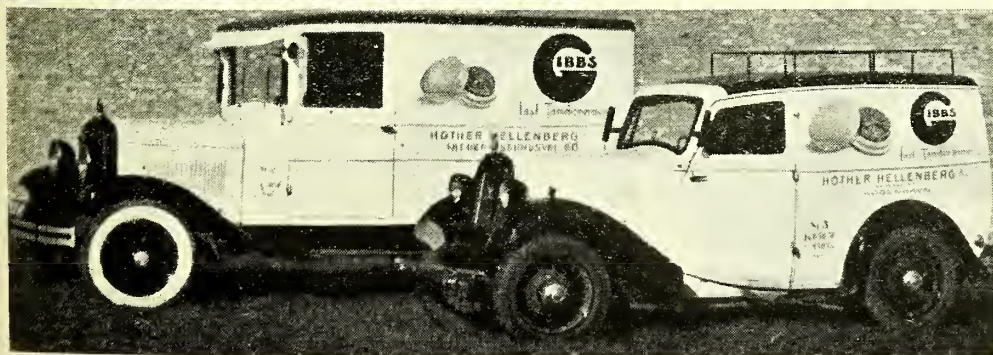
**Below, DISPLAY VEHICLES**—Illustration sent by a Danish reader prompted by "Vehicles of Display" (*C. & D.*, April 16, p. 447)—of vans advertising Gibbs' dentifrice in use by Hother Hellenberg, Ltd., Copenhagen, Denmark.



Mr. F. Conduit (Harrow Branch)



Mr. A. Frost (Wolverhampton)



Mr. G. V. Tyler (Manchester & District P.D.A. Branch)



**ENFORCEMENT OF SHOPS ACTS.**—The Minister for Industry has fixed May 16 as the date on which the Shops (Conditions of Employment) and Shops (Hours of Trading) Acts come into force. From that date pharmacies will be restricted on Sundays and half-holidays to the sale of medicines and medical and surgical appliances, and to retail cosmetics, soaps, toilet lines, photographic goods, etc., will be an offence. Under the Conditions of Employment Act, assistants must not work more than a forty-eight-hour week, or a sixty-hour week inclusive of overtime, which must be paid for at the rate of time-and-a-quarter. On Sundays, chemists' assistants can work a maximum period of two hours without the proprietor being obliged to give a compensatory (additional) half-holiday in the week. When the assistant works more than two but less than four hours on a Sunday the additional half-day must be given; if more than four hours' Sunday duty is put in by an assistant, a whole day's compensatory holiday is obligatory.

## Scottish Notes

### Edinburgh

**ROYAL PUBLIC DISPENSARY.**—The Lord Provost, Sir Louis Gumley, opened the new building of the Royal Public Dispensary in West Richmond Street, Edinburgh, on April 20.

**SCOTTISH PHARMACEUTICAL FEDERATION.**—A mass meeting of Edinburgh and District retail chemists was held under the auspices of the Federation at 36 York Place, Edinburgh, on April 14. Mr. Peter Nisbet in the chair. Mr. P. M. Duff, president of the Federation, detailed the Federation's draft Chemists' Friends scheme for Scotland. A resolution was passed that those present promised, in the event of the scheme being put into operation, they will give it their loyal support. The vice-president of the Federation, Mr. John Weir, then addressed

the meeting regarding the Minister of Labour's inquiry into the wages, hours and conditions in the retail distributive trades in Scotland, and explained the Federation's reasons for dissenting from the recommendations sent to the Minister of Labour after approval at the recent Conference of the Employers' Organisations and Trade Unions in Glasgow. Mr. H. Graham Macmillan, secretary of the Federation, then referred to matters dealt with recently by the Federation on behalf of different members. Votes of thanks were accorded to Messrs. P. M. Duff and John Weir and Mr. Peter Nisbet.

### Miscellaneous

MR. JOHN A. NOBLE, M.P.S., has taken over the business of Mr. Harry M. Leith, M.P.S., Henderson Street, Bridge of Allan, Stirling.

MR. J. G. Mutch, M.P.S., 90 King Street, Aberdeen, has opened a branch pharmacy at 158 Great Northern Road, Woodside, Aberdeen.

**FIRE AT PHARMACY.**—A fire which broke out in the pharmacy of Mr. William S. Spence, M.P.S., 152 Duke Street, Edinburgh, on April 13, caused considerable damage.

**TOWN HALL EXHIBITION.**—Inverness chamber of commerce decided to protest to the local council against advertising by a firm of chemists in connexion with an exhibition of a gas-proof room in the Town Hall. The matter arose from a similar protest by the local chemists' association.

**PRESENTATION.**—A copy of the 1598 edition of Dioscorides' classic work on "Materia Medica" has been presented to the National Library of Scotland through the agency of the Friends of the National Libraries. The work originally belonged to the Masters' Library in the Royal Courts of Justice, London, and was recently offered to the Friends of the National Libraries for distribution.

# Topical Reflections

By Xrayer

## Practical Discussion in Yorkshire

Of many subjects in your news items last week that lend themselves to (or ask for) comment I select first the instructive discussion at Bradford (p. 463)—a long evening's work, I surmise. Being, like the late Lord Balfour, "a child in these matters," I am not sure what is meant by the statement that "the cost of running the [Bradford and District] Branch was much too expensive." I have, however, heard of choral societies which have found it necessary to put into their programmes popular though hackneyed works in order to recoup themselves for losses on works of more exclusive appeal. In societies with which I have been connected it has been the accepted custom not to aim at having a large balance at the end of the financial year, but to adjust the subscription to the running expenses; and I think this is the policy followed in at least one leading association of pharmacists. The resolution on employees (which I need not quote *in extenso*) adopted for presentation at the Edinburgh meeting of the British Pharmaceutical Conference is a proper subject for ventilation in a general assembly of pharmacists and, if there is no insuperable obstacle, for consequent action. This is one of those matters which will not settle themselves on the *solvitur ambulando* principle; and we have to remember the implications of the judgment in the Jenkin test case. I should have liked to hear what the speaker from Huddersfield had to say about collective advertising and shall be interested to learn the nature of the joint action taken.

## Elaboration in Prescribing

Your report on p. 464 on the coming into operation of the Ipswich Public Assistance Domiciliary Medical Service—a title, by the way, extending to six words—raises a doubt in my mind as to the wisdom of beginning this kind of service with so elaborate a scheme. I have no objection to either the pink forms or to the abolition of what is described, with forthright emphasis, as the "necessity" for guessing odd quantities; but I seriously query the institution of two sets of children's formulas. We read that "prescription forms in all cases show the age of the patient": if that is so, the town referred to must

be blessed with medical practitioners of more than average heedfulness. Later in the same sentence we learn that "the chemist can check the mixture ordered with the age stated"—I can well believe that—but that "he is placed under no responsibility to supply the correct mixture." Putting aside the confusion of ideas presented in this statement, I may ask what has become of the dosage tables of Gaubius and other authors, and what safeguards have been set up to prevent a mixture intended for a "child" being prescribed for an "infant." I trust that this scheme is not to become the forerunner of analogous systems throughout the country.

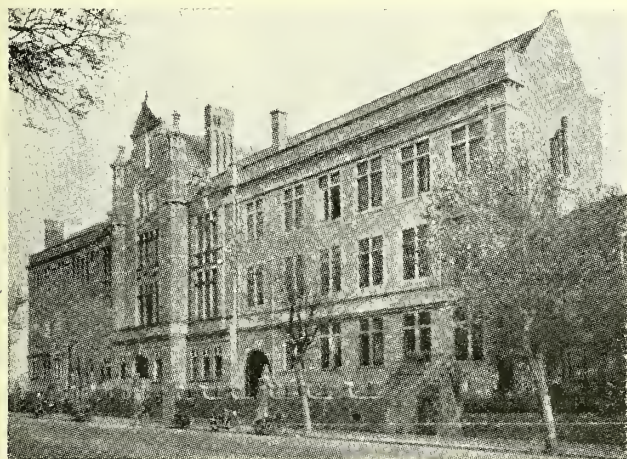
## Ether at the Bedside

I have lately been puzzled, and not for the first time, by the reference to the "bottle labelled 'Ether'" occurring twice in Browning's short poem "Confessions," which formed part of his "Dramatis Personæ" published in 1864. The poem, it may be remembered, sets forth a captivating reminiscence told by a dying man, and is an example of the dramatic monologue—a form which Browning, whether or not he derived it from Chaucer, securely individualised for himself. It would be extremely difficult to "catch napping" a poet with so brilliant a brain—a brain well stored, like Sir Thomas Browne's, with recondite learning; but my difficulty is that I have no knowledge of ether being prescribed *per se* and so being found in a patient's bedroom. A copy of "Enquire within upon Everything" dated 1867 devotes, indeed, a short paragraph to "Ether (Sulphuric)," with uses, dose and the addition (rather anticipating our present Poisons Rules): "Caution.—An overdose produces apoplectic symptoms." It does not follow, however, that ether was kept in the family medicine chest. I suggest three explanations. A popular remedy, then and later, was chloric ether: the poet may have seen a bottle so labelled and either overlooked the "chloric" or regarded it as without significance. A third possible solution is that the patient may be supposed to be in a hospital ward, in which case the presence of the ether becomes easily comprehensible. Writing from memory, I believe the first use of ether as an anæsthetic was made in 1846.



# Pharmacy Summer School Imperial and Foreign News

**T**HE prospectus of the summer school for pharmacists arranged by the Brighton Technical College School of Pharmacy (see *C. & D.*, March 5, p. 270) has been issued. The first lecture will be given on August 1 at 10 a.m. The school is intended as a refresher course for those engaged in pharmacy, particularly chemists who qualified before the publication of the present Pharmacopœia and the introduction of physiology into the Chemist and Druggist Qualifying examination syllabus. It is assumed that most of those attending will be devoting their holiday to this purpose, and the school will meet officially in the mornings only. Facilities will be afforded for practical work each afternoon, but attendance



*Brighton Technical College*

will be optional. There will be a general course in physiology in the form of lecture demonstrations, which will include physiology of the heart and circulation; effect of adrenaline, acetylcholine, atropine, pituitary, digitalis and histamine; composition of the blood and methods used in its examination; experiments on the composition and digestion of the principal foods; effect of drugs on the alimentary canal; determination of basal metabolism as an index of thyroid activity; experiments on the physiology and pharmacology of muscles and nerves; biological assay of pituitary (posterior lobe) extract and tincture of digitalis. The course in pharmacy will deal with the relation of chemical structure to therapeutic action; *pH* values, comparators, hydrogen, quinhydrone and glass electrodes; an elementary study of bacteriology (sources of contamination, aseptic technique, sterilisation methods including heat sterilisation, sterilisation by filtration, etc.; tests for sterility); quantitative microscopic analysis of crude drugs; use of ultra-violet light. There will also be a course in pharmaceutical jurisprudence. Students desiring to carry out practical work in physiology and pharmacy will be given facilities in the laboratories of the College, and arrangements will be made to visit the pathological laboratories of the Royal Sussex County Hospital. The playing fields and pavilions of the Technical College will be at the disposal, for tennis and cricket, of those enrolling in the course. Certain hostels connected with the Municipal Training College will be available for limited accommodation. Arrangements will be made, if time permits, for excursions to places of interest in the neighbourhood. Applications should be sent to Mr. F. H. Toyne, B.A., Education Officer, 54 Old Steine, Brighton.

**MILITARY HOSPITALS PHARMACOPŒIA.**—A pharmacopœia compiled by a committee under the chairmanship of the Consulting Physician to the British Army has been issued for use in military hospitals to take the place of all similar booklets printed or circulated locally. It becomes the recognised standard in all military hospitals in order to facilitate written dispensing when a change in personnel occurs. The pharmacopœia consists of 34 pages and is issued price 2d. by H.M. Stationery Office.

## Canada

**EUROPEAN VISIT.**—Dr. G. H. W. Lucas (secretary, Canadian Committee on Pharmaceutical Standards) left Canada on March 22 for a two months' visit to England, Scotland and France.

## China

**WEST CHINA UNIVERSITY.**—An appeal is being made to American and British pharmacists by Dr. E. N. Meuser (head of pharmacy department, West China Union University, Chengtu), who is at present on furlough in Canada, for contributions towards the equipment of the department. A list of items required has been drawn up, which may be obtained from Dr. Meuser at 503 Dufferin Avenue, Saskatoon, Canada. An account of the work of the department was given in *THE CHEMIST AND DRUGGIST ANNUAL SPECIAL ISSUE*, June 29, 1935. Upon completion of his furlough in the near future, Dr. Meuser will return to Chengtu.

## Finland

**NEW EDITION OF PHARMACOPŒIA.**—The new Finnish Pharmacopœia sixth edition, which comes into force on July 1, is printed entirely in the Finnish language. The fifth edition was issued in 1914 and the fourth in 1819. The first edition, published in co-operation with Sweden, appeared in 1686. The new edition contains 760 pages, against 350 in the previous one, and the number of monographs has grown from 450 to 720. An important innovation is the chapter on sterilisation; there is also a section on reagents for analysis of medicaments and for clinical analyses, with a supplement on first aid in acute poisoning.

## South Africa

**PHARMACIST IN HOUSE OF ASSEMBLY DEBATE.**—Mr. J. Christie, chemist and druggist (M.P. for Rosettenville) took a prominent part in debate recently on the activities of insurance companies in the Dominion.

**APOTHECARY LICENCE SUFFICIENT.**—Following representations to the Commissioner for Inland Revenue by the Associated Pharmaceutical Society of South Africa, a ruling has been given that a general dealer's licence is not required by chemists for the sale of sunglasses, vacuum flasks, hot water bottles and photographic films.

**CONFERENCE RESOLUTIONS.**—At the fifteenth annual general meeting of the Associated Pharmaceutical Societies of South Africa, which opened in Johannesburg on April 18, the president (Mr. L. R. Tibbit, Pietermaritzburg) described tours he had undertaken in the country districts to discuss a national policy for chemists. His aim had been to discover whether a policy could be devised to place chemists in South Africa in their just position as performing a most essential public service, and he was disturbed by the position of many who are hardly making a living by the practice of pharmacy. He urged the meeting to popularise among doctors the use of drugs, galenicals and chemicals in the British Pharmacopœia, the Extra Pharmacopœia and the Codex, and suggested the compilation of a South African companion to the Pharmacopœia and the Codex embodying medicine for the treatment of tropical and sub-tropical diseases. It was also urged that the Conference should apply for a charter. Mr. Tibbit said he would like to see legislation which would reserve the manufacture and sale of medicine to the chemist.

Among the resolutions tabled for discussion at the meeting are: "That . . . every chemist on the register should voluntarily accept a levy of 40s. as a contribution towards the experienced travelling organiser, whose duties . . . should be so to co-ordinate the opinions of all branches of the profession throughout the Union as to enable the A.P.S. to formulate an approved national policy"; "That the A.P.S. appoint a committee to investigate the possibilities of the Chemists' Friends scheme"; "That commodities sold by chemists should be allocated to various categories with fixed ratio of profits"; "That the attention of the A.P.S. executive be drawn to the influx of British chemists into the Union and that the A.P.S. should consider the economic aspect of this influx"; "That a National co-operative advertising campaign is desirable."



## Legal Reports

**Libel Action.**—An article in the monthly trade paper, "Shelf Appeal," in March 1937, was the subject of a libel action by Walfox, Ltd., manufacturing chemists, Clark Green, Batley, Yorkshire, which was settled before Mr. Justice du Parcq, in the King's Bench Division, London, on April 27. The plaintiffs sued Merritt & Hatcher, Ltd., Blackheath Road, Greenwich, printers; Creative Journals, Ltd., proprietors and publishers, High Holborn, London; and Mr. John M. Ryan, the editor. Mr. G. O. Slade, for Walfox, Ltd., said that his clients dealt in a large range of medicines and toilet goods of the best quality which had a large sale under the registered trade mark "Walfox Brand." The article in question was headed "Bootleg Brands," and suggested that the plaintiffs' goods were sold at "cut prices" on the reputation of advertised brands they imitated. Counsel went on to say that the defendants had agreed to pay a sum by way of damages and to indemnify the plaintiffs in respect of their costs. They had also agreed to publish an apology in their periodical. Mr. Valentine Holmes, for the defendants, confirmed the terms of settlement, which were approved by the judge.

## Company News

### P.C. means Private Company and R.O. Registered Office

**W. KINGSTON LEE, LTD. (P.C.).**—Capital £500. Objects: To acquire the business of chemists now carried on by H. A. C. Thomas & Co. at 2 Station Road, Llanelly.

**ROBERTSON (ROMFORD), LTD. (P.C.).**—Capital £500. Objects: To acquire the business of chemists and druggists carried on by W. J. T. Lord at 205 North Street, Romford.

**HALSTEADS (CHEMISTS), LTD. (P.C.).**—Capital £500. Objects: To carry on the business of chemists, opticians, etc. Geoffrey W. Halstead, 85 Stanley Road, Hinckley, Leics, chemist, director.

**SAMMES (CHEMISTS), LTD. (P.C.).**—Capital £500. Objects: To carry on the business of chemists, druggists and druggists' sundriesmen, etc. The first directors are to be appointed. No R.O. mentioned.

**EDNA CLAIRE, LTD. (P.C.).**—Capital £1,000. Objects: To acquire the business carried on by Edna Sinclair-Ellis at 2 Old Bond Street, W., and elsewhere, and to carry on the business of manufacturers of perfumery and cosmetics of all kinds, etc. Wm. A. C. Wilkinson, 14 Chapel Street, S.W.1, director.

**CHEMICAL COLLOIDS CORPORATION, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of manufacturers, wholesalers and retailers of colloidal products and chemical products of all kinds, etc. The first directors are to be appointed. R.O.: 120-2 Victoria Street, Westminster, S.W.1.

**ORZONE (IRELAND) 1938, LTD. (P.C.).**—Registered in Belfast. Capital £1,500. Objects: To acquire the business of Orzone (Ireland), Ltd., of 10-12 North Street, Belfast, and to carry on the business of chemists, druggists, herbalists, etc. The first directors are not named. R.O.: 10-12 North Street, Belfast.

**SAMONA, LTD. (P.C.).**—Capital £800. Objects: To acquire the business of a manufacturer of and dealer in patent and proprietary medicines and remedies now carried on by James Dunn as "Samona Products" and the trade mark "Samona" used in connexion therewith. R.O.: 16 Charterhouse Street, London, E.C.

**W. A. MITCHELL & SMITH, LTD. (P.C.).**—Capital £4,000. Objects: To carry on the business of manufacturers of and wholesale and retail dealers in chemicals, resins, oils, varnishes, etc. Wm. A. Mitchell, 30 Presburg Road, New Malden, Surrey, director. R.O.: Ravenspring Works, Western Road, Mitcham, Surrey.

**SECPOL PRODUCTS, LTD. (P.C.).**—Capital £1,000. Objects: To acquire the Trade Mark No. 486,609, Class 50, and the goodwill of the business connected therewith, and to carry on the business of manufacturers of and dealers in polishes for all purposes, cleaning and washing powders, etc. Alfred J. Thwaites, C.A., 5 Elm Park Gardens, Hendon, N.W.4, director.

**WRIGHT, LAYMAN & UMNEY, LTD.**—The directors announce that a final dividend of  $7\frac{1}{2}$  per cent. on the ordinary shares has been paid, making a total dividend paid for 1937 of 10 per cent., which was the same as for 1936.

**THE DUBARRY PERFUMERY CO., LTD.**—The trading profit amounted to £34,712. After carrying forward £2,559 against £2,159 brought in, the balance was applied to the payment of  $7\frac{1}{2}$  per cent. dividend (less tax) on the preference shares and a final dividend of 15 per cent. (less tax), making, with the interim dividend,  $17\frac{1}{2}$  per cent. (less tax) on the ordinary shares for the year ended December 31, 1937, an increase of 5 per cent. as compared with 1936. At the annual general meeting the chairman, Mr. Kilby Pears, said they had every reason to be satisfied with the result of the year's trading.

**THE BRITISH DRUG HOUSES, LTD.**—The annual general meeting was held in London on Monday, April 25. Mr. Charles A. Hill, B.Sc., F.I.C. (chairman and managing director), presided. In the course of his speech, the chairman, after referring to the balance sheet (*C. & D.*, April 23, p. 468), said: The improvement in our business in export markets applies not only to our Australian and Canadian companies, to which reference has been made in the directors' report, but to every market throughout the British Empire, and also to many of the foreign countries with which we trade. In the latter countries, however, exchange difficulties and trade restrictions still constitute an obstacle. In connexion with this general extension of the company's business, I will refer to negotiations, which reached a satisfactory conclusion last year, relating to our leasehold properties. Our London works comprise premises which were held under a number of separate leases. I am glad to say that we have been successful in arranging for the cancellation of all these various leases, and the granting of one long-term lease covering all the properties. There will be an actual saving to the company in the lower annual charge for amortization; secondly, it renders more worth while the carrying out on these leasehold sites of the additions and improvements which are becoming a pressing necessity. On former occasions I have referred briefly to the work of your company in the field of hormones, vitamins, and biochemical products generally, which substances continue to play an increasingly important rôle in progressive medicine. It will be of interest to mention that much of the recent work carried out in this country upon the physiological activity of vitamin E has been performed in our laboratories, and as a result of this the probable therapeutic application of vitamin E in the human subject is becoming established. Our developments on the biological side include the installation of greatly improved and thoroughly up-to-date biological and bacteriological laboratories for research and testing; and in association with these we have constructed a larger department for making vaccines and immunological products. I am happy to announce that the company has recently instituted a research fellowship, known as the "British Drug Houses Fellowship," tenable at University College Hospital, London, to enable a medical graduate, and a technical assistant, to carry out investigations upon the clinical application of hormone preparations under the personal direction of the Professor of Gynaecology and Obstetrics. It may interest you to know that your company now gives employment to more than 1,500 persons. It is once more my pleasant duty to give expression to the directors' appreciation of the services rendered by the whole of the staff, both at home and abroad. I now move:—"That the accounts and report be adopted; that the payment of dividend on the preference shares be confirmed; that a dividend of 6 per cent. on the ordinary shares be declared, payable on May 5." Dr. F. H. Carr, C.B.E., F.I.C., seconded the resolution, which was carried unanimously. A cordial vote of thanks to the chairman and directors, proposed by Mr. Alan Hicks and seconded by Colonel R. K. Harvey, was carried with acclamation.

## Gazette

### Receiving Order

BENNISON, W., 100 Richmond Road, Earls Court, London, chemist.

### Partnership Dissolved

BEALE, J. F., and SUCKLING, E. V., 91 Queen Victoria Street, London, E.C.4, analytical chemists and bacteriologists, under the style of Drs. Beale and Suckling.



# United Kingdom-Eire Agreements

THE following extracts of interest to the chemical, drug and allied trades, are taken from the Agreements between the Governments of the United Kingdom and Eire, signed and published in London on April 25, 1938.

The Government of the United Kingdom undertake to abolish, as from the date on which the accompanying Trade Agreement between the United Kingdom and Eire comes into force pursuant to Article 19 thereof, the duties of Customs chargeable under the Irish Free State (Special Duties) Act, 1932, on articles imported from Eire into the United Kingdom, or exported from Eire to any other country and thence brought into the United Kingdom.

The Government of Eire undertake to abolish, as from the date on which the accompanying Trade Agreement between the United Kingdom and Eire comes into force pursuant to Article 19 thereof, the duties of Customs known as Customs (Emergency) Duties (Tariff list Reference Nos. 280, 281 and 288) chargeable on goods produced or manufactured in the United Kingdom and imported into Eire.

The Government of the United Kingdom undertake that goods grown, produced or manufactured in, and consigned from, Eire, which, on the day on which this Agreement comes into force, are liable to duty under the Import Duties Act, 1932, or under Section 1 of the Ottawa Agreements Act, 1932, and also such goods which are on that day free of duty, shall enjoy entry free of Customs duty into the United Kingdom. This paragraph does not apply to goods which, on the day on which this Agreement comes into force, are liable to duty both under the Import Duties Act, 1932, or the Ottawa Agreements Act, 1932, and under some other enactment.

NOTE.—There are certain reservations relating to imports of agricultural products from Eire.

The Government of Eire undertake that goods produced or manufactured in the United Kingdom of the classes or kinds enumerated in Part I of Schedule II, which are not now liable to Customs duty, other than duties of Customs known as Customs (Emergency) Duties or quantitative regulation, shall continue to enjoy entry into Eire free of Customs duty (other than package duty) and quantitative regulation.

Dental, surgical, medical and veterinary instruments and appliances:—Excluding medical instrument tables, holders and frames for charts of body temperatures, bed cradles, walking frames, leg rests, back rests, wheeled stretchers and biers, web and bandages, elastic stockings, socks and bands and foot corrective appliances such as soles, supports, chiropodists' pads.

Photographic apparatus, component parts and accessories, excluding camera-carrying cases, trays, tanks and dishes.

Cinematograph films—blanks. Photographic plates and films.

Cinematograph screens, spools, projector accessories and reflectors.

Scientific instruments and appliances (other than dental, surgical, medical, veterinary, photographic and cinematographic).

Cellulose wrapping, transparent, in sheets or rolls.

Essential oils, refined (other than turpentine).

Natural resins and gums.

Waxes (other than sealing, paraffin and montan).

Basic slag. Cod-liver oil.

Acids, other than sulphuric, phosphoric, nitric and hydrochloric.

Bichromate of ammonia; bromide of ammonia; chlorate of ammonia; ferri citrate of ammonia; ichthiosulphonate of ammonia.

Bleaching earth; chloride of calcium.

Carbolic acid (including crude). Sulphate of copper.

Magnesium compounds. Potassium compounds.

Sodium compounds, other than sodium carbonate crystals, acid sodium phosphate, acid sodium pyrophosphate, sodium hypochlorite and sodium hydroxide.

The following chemical manufactures:—Acetate of iron; acetone; alum; amyl acetate; amyl alcohol; arsenic compounds; barium carbonate; barium nitrate; benzaldehyde; benzyl acetate; butyl acetate; calcium cyanide; camphor tablets; chlorophyll; cobalt acetate; coppers; decolourising carbon; diacetone alcohol; dragons' blood; hydrogen peroxide; iron perchloride; isinglass solution; isopropyl alcohol; lead acetate; manganese dioxide; menthol crystals; methyl cellulose; methyl chloride gas; methyl salicylate; nitrous oxide; orthodichlorobenzene; phenolphthalein; photographic chemicals; precipitated chalk; rouge; saffor; silver nitrate; strontium compounds; sulphate of alumina; sulphate of iron; sulphate of lime; sulphide of antimony; tin oxide; toluol; trichlorethylene; vitriols, green, white and blue; zinc chloride; zinc stearate.

Medicines and medicinal preparations (other than ointments and salves, medicines and medicinal preparations chargeable by reference to dutiable ingredients or as sugar confectionery or as cocoa preparations or as preparations containing sweetening matter).

The Government of Eire undertake, in respect of consignments or parcels of imported goods of United Kingdom origin, to reduce from two shillings and sixpence to one shilling the minimum charge of Customs duty at present applicable to consignments or parcels of all imported goods.

The Government of Eire undertake, in respect of Customs entries for imported goods of United Kingdom origin which are not charged with Customs duty, to repeal the Stamp Duty which is at present charged in respect of Customs entries for all imported goods.

The Government of Eire undertake, in respect of parcels of goods of United Kingdom origin not liable to duty, imported through the post, to abolish the Post Office delivery charge of sixpence per parcel levied in respect of all parcels of goods not liable to Customs Duty.

The Government of Eire undertake that the duty of Customs known as Package Duty shall not be charged upon goods produced or manufactured in the United Kingdom at rates exceeding one penny per pound (or part of a pound) or one penny per pint (or part of a pint).

The Government of Eire undertake that, where licences are issued for the admission of dutiable goods into Eire either free of duty or at a rate of duty less than that ordinarily charged on such goods, any goods covered by such licences which are produced or manufactured in the United Kingdom shall be admitted free of duty, and similar goods covered by such licences, produced or manufactured in any country not within the British Commonwealth of Nations, shall be subject to a duty of not less than 10 per cent. *ad valorem* (or an appropriate rate of specific duty) unless they are of a class or kind of which supplies of goods produced or manufactured in the United Kingdom are not for the time being available.

The Government of Eire undertake that a review shall be made as soon as practicable by the Prices Commission of existing protective duties and other import restrictions in accordance with the principle that such duties and restrictions upon goods produced or manufactured in the United Kingdom shall be replaced by duties which shall not exceed such a level as will give United Kingdom producers and manufacturers full opportunity of reasonable competition, while affording to Eire industries adequate protection having regard to the relative cost of economical and efficient production, provided that in the application of this principle special consideration may be given to the case of industries not fully established. The tariff on goods produced or manufactured in the United Kingdom will be adjusted, where necessary, to give effect to the recommendations of the Prices Commission. In regard to any protective duties or restrictions which may be imposed by the Government of Eire after the date of this Agreement, a similar procedure shall be followed at the request of the Government of the United Kingdom.

The Government of Eire undertake that goods produced or manufactured in the United Kingdom shall be entitled to admission into Eire at the preferential rate of duty wherever such a rate exists and that existing margins between the full and the preferential rates shall not be reduced.

Whenever new duties are imposed or the existing rates of duty charged on any goods on importation into Eire are adjusted, the difference between the rate of Customs duty charged on such goods the produce or manufacture of the United Kingdom and the rate charged on similar goods produced or manufactured in any country not within the British Commonwealth of Nations shall be not less than one-third of the latter rate, or 10 per cent. *ad valorem* (or its equivalent), whichever is the greater.

The Government of Eire undertake that United Kingdom producers and manufacturers shall be entitled to full rights of audience before the Prices Commission when it has under consideration matters arising under Article 8 of this Agreement.

If the Government of either country are satisfied after inquiry that goods the produce or manufacture of the other country are being imported and sold in the former country at less than their comparable price in the home market, due allowance being made for transport and other charges, they shall be at liberty, after consultation with the Government of the other country, to impose special duties or other import restrictions on such goods.

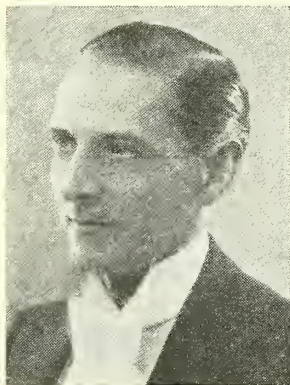


## Council Candidates

**I**N our issue of April 23 (p. 472) we commenced publication of the statements, with portraits and brief biographies, of candidates contesting vacancies on the Pharmaceutical Council. We now continue with a further selection.

### Mr. Percy Barrs

Mr. Percy Barrs was educated at the Hulme Grammar School, Manchester, and served his apprenticeship at Scarborough. Subsequently he was an assistant at Nottingham, Aldershot and London. He qualified in 1911, and the same year acquired the business in Church Street, Kensington, which he still carries on. He is a Fellow of the Chemical Society, member of the Pharmaceutical Society, president of the Institute of Chemists-Opticians and an examiner for that body. Outside business he is a member of the Kensington Borough Council, past-chairman of the Kensington Chamber of Commerce and past-vice-president of the Kensington Rotary Club.



MR. PERCY BARRS

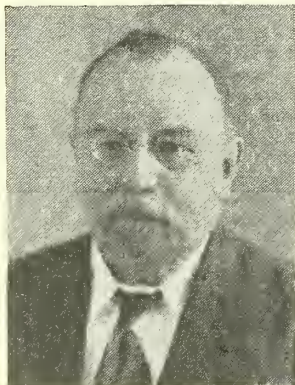
Mr. Barrs has sent us the following statement:—As a retail pharmacist with my own business for the past twenty-seven years I feel qualified to

represent retail pharmacists on the Council. I have no special grievance to expound, no personal axe to grind, but I am of the opinion that representation on the Pharmaceutical Council should consist of men who have business ability, experience in retail pharmacy, and are able to voice their opinions. My qualifications in this respect are shown above. The three essentials are experience, sound judgment and un-biased outlook. My experience on the Borough Council has taught me that there are many points of view to every question that arises. A fresh point of view in the interests of my fellow pharmacists may be very helpful and even be a deciding factor. Should this be my lucky year, and I am returned a successful candidate, I shall do my best to merit your respect and esteem.

### Mr. John Joseph Laws

Mr. Laws is a member of the Pharmaceutical Society, Fellow of the Chemical Society, honorary secretary of the Institute of

Chemists - Opticians, honorary treasurer of the Chemists' Dental Society, honorary treasurer of the Central Optical Council, member of the Ophthalmic Benefit Joint Committee, Fellow of the Faculty of Science and Fellow of the Institute of Chemists-Analysts. He carries on business at 285 Brompton Road, South Kensington, London, S.W.3, as a retail chemist with one pharmacy and no wholesale connexions or interests. In response to our request for his views, Mr. Laws sends us the following:—



MR. J. J. LAWS

In accepting nomination for the Pharmaceutical Council election, I do so chiefly on the grounds that chemists-opticians should have a voice on that Council. For sixteen years I have been honorary secretary of the

Institute of Chemists-Opticians, worked hard and fought hard for chemists, who have qualified as opticians. The Ophthalmic

Benefit Approved Committee, which controls all State insurance optical work, has now issued a list of those qualified to undertake sight-testing and frame-fitting under National Health Insurance. There are hundreds of chemists on that list. I have been officially appointed to represent chemists-opticians on the O.B.A.C. and feel that they should also be represented on the Pharmaceutical Council. Doctors, chemists and opticians are undoubtedly bound together by the same cord, that of ensuring and giving their professional services for the health of the community. For the past twenty years I have held the position of treasurer of the Chemists' Dental Society. I ask for your vote, because I feel justified owing to past experience, and qualified by representation on these various other bodies, to speak with knowledge and confidence for members of the Pharmaceutical Society.

### Mr. Frank Clay Wilson

Mr. Wilson was educated at Ilkley Grammar School, and on leaving school was apprenticed to his father, Mr. William

Wilson, M.P.S., Bradford. He studied first at Bradford Technical College (for Part I) and afterwards at the Leeds College of Pharmacy under Mr. A. W. Lupton. During this period he was awarded two prizes given by the Bradford and District Branch and a copy of the Codex given by the Council of the Pharmaceutical Society. After qualifying in 1927, he took charge of the business owned by his father. At the age of twenty-two Mr. Wilson became the secretary of the Bradford Branch, and after a term of years in this office was elected vice-chairman and afterwards chairman. Mr. Wilson has represented Bradford at the British Pharmaceutical Conference for some years. He was elected by the delegates at the Liverpool Conference to represent the Conference on the Committee of Inquiry recently appointed by the Council of the Society. Within the past few months Mr. Wilson has contributed two articles to *THE CHEMIST AND DRUGGIST* on matters of considerable pharmaceutical interest. Mr. Wilson states:—



MR. F. C. WILSON

As shown in my contributions to the *C. & D.*, I am a firm believer in limitation of pharmacies, if associated with redistribution of pharmacies. During the last twenty years the number of pharmacies has grown out of proportion to the population. There is urgent need for some control over the opening of new pharmacies. I believe that, at such a time as the present, the Council of the Society should take care to keep the current expenditure as low as possible. Administrative costs must be kept at a minimum, and there should be no increases in such expenditure. The cost of the new headquarters must be considered in the very near future, and when these estimates are before the Council, they must be cut wherever possible. Luxury fixtures must be rigorously avoided if the retention fee is to be kept at its present level. I feel that the Council of the Society must take some action to protect the professional standing of the pharmacist, and to bring his remuneration to such a level as is coincident with his responsibilities. The public and Parliament must be educated to realise that the pharmacist is essential to our civilisation. This done, pressure must be brought upon the proper sources in order to obtain legislation to restrict to the pharmacist the sale of medicinal articles and surgical dressings. On more topical matters, I feel extremely dissatisfied with the steps taken by the Society to protect the position of the pharmacist under the air raid precautions schemes. No positive advice has been offered to the pharmacist, all information emanating from the Society being of a negative character. Under A.R.P. and in the armed forces the pharmacist should have commissioned rank or its equivalent, and the Council should insist on this recognition being given to our members.



# Pharmaceutical Society of Great Britain

## Edinburgh Examination Results

The following are the results of the examinations held in Edinburgh during the present month:—

Examination	Entered	Absent	Failed	Referred (One subject)	Passed
Preliminary Scientific:—					
(a) Whole examination ...	133	3	78	17	35
(b) Referred subject ...	60	0	—	36	24
Chemist and Druggist Qualifying:—					
(a) Whole examination ...	41	2	15	11	13
(b) Referred subject ...	21	0	—	3	18

### SUMMARY OF REJECTED CANDIDATES

	Entered	Absent	Referred	Failed
Biology (botany + zoology) ...	26	0	1	13
(botany section only) ...	137	3	25	59
Chemistry ...	150	3	15	74
Physics ...	146	3	12	72
Pharmacognosy ...	43	2	2	11
Pharmaceutics ...	54	2	3	13
Physiology ...	38	2	1	10
Pharmaceutical chemistry ...	46	2	3	11
Forensic pharmacy ...	41	2	5	8

### CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following candidates have satisfied the examiners.—

Barnett, J. B., Leicester	Marshall, Annie, Bishop Auckland
Bulcock, T., Blackburn	Morris, D. I., Abergele
Burke, P., Burnley	Penman, J. W., Larkhall
Burley, J., Leeds	Pullar, W. J., Glasgow
Craine, C. L. P., Chester	Ross, J. W., Aberdeen
Crombie, J. D., Stonehaven	Simpson, Olga C., Monkseaton
Davies, W. A., Rainhill	Smith, J., Alexandria
Dawson, J. F. S., Wigan	Staffiere, F. R. G., Bromborough
Durber, C. E., Blandford	Tattersall, F. W. P., Bradford
Falcon, Margaret M., Leeds	Verity, K. M., Knaresborough
Grant, Grace R., Peterhead	Vionnee, J. G., Liverpool
Herd, J. W., Glasgow	Wallace, R. R., Dumfries
Hudson, A. A., Bradford	Williams, R. R., Anglesey
Jacoby, Mary, London	Wilson, Jessie E. R., Edinburgh
Johnson, S., Wakefield	
Johnston, Doris E., Gateshead	
Mackenzie, A. D., Edinburgh	

### Diploma in Biochemical Analysis

#### LONDON

Of twenty-three candidates who entered for the Diploma in Biochemical Analysis during April, the following thirteen were successful:—

Bentley, A. H.; Birchley, A. L.; Brunnsden, N. E.; Buchanan, A.; Davidson, J. O.; Field, R.; Kitson, J. G. L.; Lewis, D. E.; Myers, L. D.; Parnaby, R. C.; Shaw, S.; Smith, I. B.; Smithers, G. W. G.

#### EDINBURGH

Of the thirteen candidates who entered for the Diploma in Biochemical Analysis during April, the following ten were successful:—

Brown, M. D.; Davies, I.; Govan, P. S.; Henderson, John; Lewis, G. W.; McClunie, D.; Mackenzie, A. B.; Merry, J. J. F.; Robertson, T. I. C.; Turner, Mary A.

### Register of Premises

MEMBERS of the Pharmaceutical Society and limited companies carrying on business as authorised sellers of poisons who have not yet paid the fees for the retention of their premises on the Register for the current year are reminded that unless application forms duly completed and the prescribed fees (i.e., £1 rs. per set of premises) are sent to the registrar so that he receives

them not later than by first post on Thursday, May 12, the addresses of those premises will be removed from the Register by the Council at their meeting on Wednesday, May 18. Forms of application have already been sent to all proprietors of businesses appearing on the Register, and if any member has not received a form or has mislaid the one sent, he is advised to communicate immediately with the registrar, who will furnish a fresh form. Failure to register premises renders the owners liable to penalties under the Act, and addresses of premises restored to the Register after they have been so removed can only be restored on payment of a penalty of 10s. 6d. per set of premises in addition to the prescribed fee.

## Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1938, p. 302.

(From "The Trade Marks Journal," April 6, 1938)

"KLINDI"; for skin emollients (48). By James Laing, Son & Co. (M/C), Ltd., Ashburton Road, Trafford Park, Manchester. 582,561. [Corrected Note.]

(From "The Trade Marks Journal," April 13, 1938)

"RUBBEX"; for prevention of disease in india-rubber trees, and as disinfectant (2). By Benhamin Raffael, Fenwick Street, Liverpool, 2. 583,219.

"BERCOLO"; for wheat germ oil for veterinary use (2). By F. W. Berk & Co., Ltd., 52 Leadenhall Street, London, E.C.3. 583,667.

"PARASMEHA"; for medicinal chemicals (3). By A. E. Day, 5 Southern Avenue, London, S.E.25. 579,140.

"HORMOSTELTINE"; for medicinal chemicals (3). By A. Urvater, 9 rue de Faubourg Saint-Honore, Paris, France. 581,782. (Associated.)

"LILLET"; for medicated white wine (3). By Lillet Freres, S.A.R.L., Route Nationale, Podensac, Gironde, France. 583,391. (Associated.)

"MAJOR"; for medicated powders, tablets and ointments for sale in Lancs and Yorks (3). By W. M. Routledge, 108 Church Street, Blackpool. B582,877.

"SYNTHADREN"; for medicines for asthma (3). By Francis Riddell, Ltd., Axtell House, Warwick Street, London, W.1. 583,384.

"CAMPOFERRON"; for all goods (3). By Bayer Products, Ltd., 31 Basinghall Street, London, E.C.2. 584,029. (Associated.)

"BOLDOPLOLINE"; for medicated preparations containing extracts from Chilean evergreen shrubs (3). By R. P. Fouché, 1 rue du Dobropol, Paris, France. 583,041.

"ASPLU"; for medicinal chemicals (3). By Aspro, Ltd., Basildon House, London, E.C.2. 583,245. (Associated.)

"ASBROOK"; for medicated preparations containing aspirin (3). By Westminster Laboratories, Ltd., 5 Chancery Lane, London, W.C.2. 584,334.

"THREE JAYS" across design of three birds (words "Three Jays" disclaimed); for surgical adhesive tape (11). By Johnson & Johnson (Gt. Britain), Ltd., Fairlie Road, Slough, and Samuel Jones & Co., Ltd., 7 Bridewell Place, London, E.C.4. 579,195. (Associated.)

"SILVARE"; for perfumery, etc. (excluding soap or shampoos) (48). By John Freeman & Co., Ltd., 123 Longfellow Road, London, E.17. 580,935. (Associated.)

"FIFTH AVENUE"; for toilet preparations (48). By Fifth Avenue Beauty Preparations, 10 Carlisle Road, Hendon, N.W.9. B581,359.

"INVISOL"; for perfumery, etc. (excluding soap) (48). By E. H. Maddick, 10 Henrietta Street, London, W.1. 583,571.

"GENATOSAN"; for all goods (48). By Genatosan, Ltd., 43 Regent Street, Loughborough, Leicestershire. 583,926. (Associated.)

(From "The Trade Marks Journal," April 20, 1938)

"CENTANONE"; for chemicals for manufacturing perfumery products, excluding colouring materials, etc. (1). By A. Boake, Roberts & Co., Ltd., 100 Carpenters Road, London, E.15. 580,771.

"MORKAF"; for insecticides (2). By W. Lowe, 4/5 Park Place, St. James Street, London, S.W.1. 584,316.

"SULFUPRONT"; for veterinary and sanitary chemicals containing sulphur (2). By Heinrich Mack Nachf., Syrlinstrasse 2, Ulm-on-Danube, Germany. 584,175. (Associated.)

"HORTAVIT"; for agricultural, horticultural, veterinary and sanitary chemicals (2). By Schering, Ltd., 185 High Holborn, London, W.C.1. 584,398.



## Trade Notes

**AIR-RAID PRECAUTIONS.**—In view of the interest in this important subject, attention is directed to our advertisement pages, where special announcements are made:—

S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C.1, have collaborated with the Home Office A.R.P. Department in producing a comprehensive range of first-aid sets specially designed for dealing with wounds or gas casualties and suitable for the home, office or factory. Special show material and a pictorial showcard showing how to make a room gas-proof are supplied free with orders to a specified value.

T. J. Smith & Nephew, Ltd., Neptune Street, Hull, advertise Paragon first-aid outfit for household use which contains articles suggested in the official Home Office booklet (excepting scissors), and the Paragon A.R.P. No. 5 outfit, which is similar to the above, and in addition includes all necessary items for treatment of blister-gas injuries. Larger outfits are also available, further details being obtainable on application.

Robert Bailey & Son, Ltd., Stockport, direct attention to Steraid dressings, which are issued in self-delivery cartons. A price list of gauzes and lints is given elsewhere in this issue, and samples and prices of the advertised articles are obtainable on application.

Robert Blackie, Shen Works, Melon Road, London, S.E.15, direct attention to Spun A.R.P. bleach ointment, officially recommended for anti-mustard gas treatment.

Durex Abrasives, Ltd., Arden Road, Adderley Park, Birmingham, 8, advertise Durex masking tape for sealing doors, windows, etc., and Durex cellulose tape for fixing transparent tissue sheets to window panes to protect them against high explosive concussion.

William Mather, Ltd., Dyer Street, Manchester, 15, advertise anti-gas tape as adhesive for sealing doors and windows.

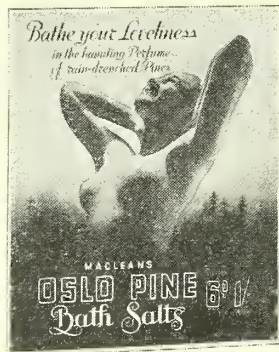
Samuel Jones & Co., Ltd., Bridewell Place, London, E.C.4, are also offering self-adhesive sealing tape for making doors and windows air-tight.

The Anti-Gas Protection Co., Ltd., Glasgow, whose distributors are A. de St. Dalmas & Co., Ltd., Junior Street, Leicester, offer a complete outfit for gas-proofing rooms in homes and offices. All materials in the outfit are proof against the known war gases.

Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, suggest for air-raid precautionary equipment a Tabloid first-aid case for minor wounds or contamination and a larger equipment which is suggested for nurses, ambulance workers and others who are called upon to give skilled attention.

Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, have introduced an economical first-aid case which provides a complete equipment as recommended in the Home Office booklet. Showcards are available.

**OSLO PINE BATH SALTS.**—Illustrated on this page are specimens of the new show material prepared by Macleans, Ltd.,



Great West Road, Brentford, Middlesex, for promoting the sales of Macleans Oslo pine bath salts. Attractive rates of profit are offered, and chemists are invited to write for full particulars of the terms.

**NUFIX ELECTRIC SIGN.**—Illustrated on this page is the new Nufix electric sign which appears on the corner of the Hay-



market, London, W.1. This arresting publicity unit is intended to further the sales of Nufix hair cream, which is manufactured by Walden & Co. (Nufix), Ltd., Rookery Way, The Hyde, London, N.W.9.

**RECITAL PERFUME.**—F. Millot, Parfumeur 11-12 Clifford Street, New Bond Street, London, W.1, have introduced a light perfume as complementary product to their more exotic perfume entitled Crepe de Chine. Extensive propaganda is promised in the Press.

**YARDLEY'S SUNTAN CREAM.**—Illustrated on this page is the new suntan cream which has just been released for distribution by Yardley & Co., Ltd., Sackville House, 40 Piccadilly, London, W.1. The cream is packed in a large attractive tube container. It is stated to promote a warm even tan without danger of the skin blistering or burning. At the same time it soothes and protects the skin from ultra-violet rays. Show material is being prepared and will be ready for issue shortly.



**WOMAN'S FAIR AND EXHIBITION.**—It is announced that the Woman's Fair and Exhibition will be held at Olympia from November 2 to 26. The preliminary announcement has been issued in the form of a sumptuous brochure printed in aluminium and black and illustrated in colour. This exhibition is organised by Exhibition Promoters (Olympia), Ltd., and will be held under the auspices of Odhams Press, Ltd. It is intended that this exhibition will reflect every facet of the modern woman's life.

**REDUCED PRICES.**—Bengue & Co., Ltd., 24 Fitzroy Street, London, W.1, inform us that the prices for Dr. Bengue balsam have been reduced from May 1.

## Coming Events

### Monday, May 2

Paisley Chemists' Association, Y.M.C.A. Rooms, at 8 p.m. Annual meeting.

Stockport Branch, Pharmaceutical Society, Café Cecil, Prince's Street, at 8.30 p.m. Annual meeting. At 9 p.m., supper and social.

West Kent Chemists' Association, Public Hall Beckenham. Annual meeting.

### Tuesday, May 3

Empire Exhibition, Bellahouston Park, Glasgow. Until October. Opened by H.M. the King.

Hull Chemists' Association, Insurance Committee's Rooms, Ferensway, at 8 p.m. Council election meeting. Address by Mr. Herbert Hodgson.

Wimbledon Pharmacists' Association, Wimbledon Town Hall, at 8.30 p.m. Members' night and debate.

### Wednesday, May 4

Wimbledon Pharmacists' Association. Visit to Allen & Hanburys, Ltd., Ware. Coaches leave Waterloo Station at 2 p.m.

### Thursday, May 5

Durham County Branch, Pharmaceutical Society, Three Tuns Hotel, New Elvet, at 8 p.m. Annual meeting.

### Friday, May 6

South-West (London) Chemists' Association, Balham Club, Ltd., Ramsden Road, S.W.12. Annual meeting.



## Births

Notices for insertion in this column must be properly authenticated.

**LESCHER.**—At Dunollie, Stanlawe Road, Freshfield, Liverpool, on April 21, the wife of E. P. Lescher, director, Evans Sons Lescher & Webb, Ltd., of a son.

**SEAMER.**—On April 23, the wife of John A. Seamer, M.P.S., Braintree, of a daughter.

## Marriages

**ARKLE—PARRY.**—At Sefton Church, Liverpool, on April 20, Alfred E. Arkle, M.P.S., Liverpool, to Olwen F. Parry.

**ESPLEY—HEYS.**—At St. Peter's Church, Accrington, on April 25, Herbert N. Espley, M.P.S., son of Mr. A. J. Espley, M.P.S. (Timothy Whites & Taylors, Ltd.), to Molly Heys.

**WOODWARD—JONES.**—At Ebenczer Baptist Church, Port Talbot, recently, Harold W. Woodward, M.P.S., Port Talbot, to Myfanwy Jones.

## Deaths

**BRIGGS.**—In Leeds, recently, after an operation, Mr. A. R. Briggs, M.P.S., a past-chairman of the Leeds and District Branch of the Pharmaceutical Society. Mr. Briggs, who qualified in 1885, was formerly in business in Horbury, Wakefield, and for many years was secretary of the West Riding Pharmaceutical Committee.

**HOOK.**—Recently, the wife of Mr. R. G. Hook, Ph.C., Dover Road, Folkestone, aged fifty-five.

**HOTOPF.**—At Bühlerhöhe, Baden-Baden, on April 24, Mr. H. M. N. Hotopf, joint managing director of J. M. Steel & Co., Ltd., chemical merchants, Kern House, 36-38 Kingsway, London, W.C.2. Mr. Hotopf, who was born in Newcastle in 1881, joined the Badische Anilin- und Soda-Fabrik in 1906 and was transferred to London in 1912. In 1916 he went into partnership with the late Mr. A. P. Stott, forming the firm of Stott & Hotopf, and, except for a period of two years when he served his country during the War, continued in this partnership until 1926, his interests then being merged in those of J. M. Steel & Co., Ltd.

**MANTON.**—On April 13, Mr. Barnett Eugene Manton, M.P.S., High Street, Crayford, aged forty-two. Mr. Manton, who was a past-chairman of the Dartford and District Branch of the Pharmaceutical Society, first entered pharmacy about twenty-five years ago. He served four years' apprenticeship in Benoni after matriculating. Later he took an Inter Science examination at the Institute of Chemistry, Johannesburg, and after further experience in South Africa joined the Overseas Brigade for service in France. Mr. Manton qualified in England in 1918, following a course at the London College of Pharmacy. After managerial posts in London and district, he gained further experience in Paris and on the French Riviera, San Remo and Munich, and then returned to England to a further period as manager before taking over the

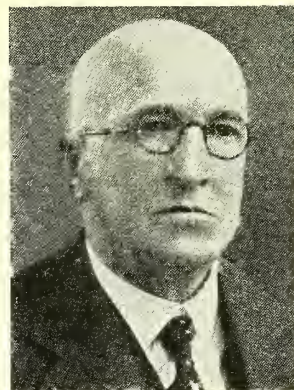


MR. B. E. MANTON

business of Mr. E. Ockwell, J.P., Crayford, Kent, which he has successfully conducted for many years. Mr. Manton has taken an active part in pharmaceutical affairs, during which time he has represented the Branch at several conferences as a delegate, and he was a candidate for election to the Pharmaceutical Society's Council in 1937.

**INKSTER.**—At Sutton, Surrey, on April 19, Mr. Claude Inkster, chairman of Claude Inkster, Ltd., chemists, High Street, Sutton, aged sixty-eight years.

**LESCHER.**—At the Royal Infirmary, Liverpool, on April 24, Mr. Thomas Edward Lescher, O.B.E., J.P., M.P.S., managing director of Evans Sons Lescher & Webb, Ltd., manufacturing chemists, Liverpool and London, aged sixty. Mr. Lescher collapsed while skating at an ice rink in Liverpool on April 23. The eldest son of Mr. F. Harward Lescher, Mr. Lescher was educated at Stonyhurst College, and joined the business of Evans Sons Lescher & Webb in 1895. After passing the Pharmaceutical Society's Minor examination, he gained valuable experience during the years spent in travelling through Australia, New Zealand and the Far East, and subsequent to his admission to partnership in 1900 Mr. Lescher visited South Africa on a similar extensive business mission. Mr. Lescher had been honorary treasurer of the British Pharmaceutical Conference, and was chairman at the Liverpool Conference of 1936-37. He had also served as honorary auditor of the Pharmaceutical Society, for which office he had again accepted nomination (see *C. & D.*, April 9, p. 416). During the War he was made responsible under the National Health Insurance Commission for the supply and control of the drugs and chemicals needed by the public. At the close of the War he was awarded an O.B.E. He was a Freeman of the City of London and a member of the Grocers' Company. In 1937 Mr. Lescher was elected president of the United Kingdom Commercial Travellers' Association, Liverpool Branch. He took an active part in local politics, and served as a director of the Liverpool Constitutional Club and as chairman of one of the ward committees. In 1917-18 he was president of the Stonyhurst Association and also acted as chairman of the Stonyhurst War Memorial Committee. A keen skater, Mr. Lescher was a member of the National Skating Association's Council and became president of the company owning the ice rink in which he collapsed. A gold medallist of the National Skating Association, Mr. Lescher went to Switzerland every year to participate in championships and other skating events. He married in 1903 Miss Ellen Mary Casella, and resided at Birkdale, near Southport. He is survived by a widow, three sons and seven daughters. One son and two daughters are married. The funeral was held at St. Joseph's, Birkdale, on April 28, and a Solemn Requiem Mass will be celebrated at St. Nicholas Pro-Cathedral, Liverpool, on May 5, at 11 a.m.



MR. T. E. LESCHER, O.B.E.

## Personalities

AFTER fifty-five and fifty-seven years' service respectively, Miss E. Gaymer (factory manageress) and Mr. W. Hullett (export packing manager) are retiring from the staff of J. Grossmith & Son, Ltd., manufacturing perfumers, London, E.C.1.

**MR. G. V. TYLER, M.P.S.,** Swinton, Manchester, who was recently appointed chairman of the local branch of the Photographic Dealers' Association, is also chairman of the Manchester and District Branch of the National Pharmaceutical Union and vice-chairman of the Manchester Pharmaceutical Association. (Portrait, p. 493.)

**MR. F. J. CONDUIT, Ph.C.,** who was recently appointed chairman of the Harrow and District Branch of the Pharmaceutical Society, was educated at Farnham Grammar School, served his apprenticeship with Mr. E. J. Blaker, Haslemere, and passed both Minor and Major examinations from Portsmouth Technical College. Mr. Conduit was also chairman of the Harrow Branch in 1935. (Portrait, p. 493.)





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D/27 Tegophan  
S/27 Yanite



# THE CHEMIST AND DRUGGIST

VOL. CXXVIII

April 30, 1938

NO. 3038

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## The Budget

THE national financial statement of income and expenditure for the coming year, as expounded by the Chancellor of the Exchequer in the House of Commons on Tuesday, did not permit of any relief from the present heavy direct and indirect taxation; actually it demands the imposition of a still higher rate of duty on incomes and additional duties on tea, oil, and petrol.

In reviewing the results of the past financial year the Chancellor stated that the total revenue was £872,580,000, while actual expenditure amounted to £843,794,000. Income was £9,732,000 more than had been estimated and expenditure £19,054,000 less than was anticipated, thus providing a surplus on the year of £28,786,000. It is of interest to note that national revenue increased by £48,000,000 on the previous year; ten years ago the country's ledger was struck at £727,000,000, and twenty-five years ago £174,500,000 was sufficient to meet all national outgoings. The main sources of revenue during 1937-38 were Customs and Excise, £335,250,000; Income Tax, £298,000,000; Surtax, £57,000,000; and Tobacco, £83,000,000. The chief saving on the year was £8,500,000 on unemployment insurance.

The estimated expenditure for 1938-39, excluding substantial supplementary votes for defence purposes which would be necessary later on in the year and which would be met by borrowing, was £1,034,000,000, while on the present basis of taxation the estimated revenue was £914,000,000, leaving a deficit of £120,000,000. It is proposed to raise this sum, partly by borrowing, £90,000,000, with the balance of £30,000,000 to be obtained by increases in present types of taxation; there are to be no new taxes. The standard rate of income tax is to be increased by sixpence in the £ to 5s. 6d., with the charge on the first £135 of taxable income to remain at 1s. 8d. in the £. Actually the increase will not affect single persons earning up to £290 a year and married persons with earned incomes

of not more than £400 a year. Industry and commerce is to be allowed a "wear and tear" allowance on plant and machinery of 20 per cent. instead of the former rate of 10 per cent. The duty on light hydrocarbon oils is raised by 1d. to 9d. per gallon, with an Excise duty of 9d. per gallon on power alcohol, as from May 2 next, and an equivalent increase in heavy oils used for road traffic. The increase in the duty on light hydrocarbon oils will affect the duty payable on White Camphor Oil. The present tax is 9s. per cwt., at the increased rate it will be 10s. 1½d. per cwt. The duty on Empire and foreign teas is increased by 2d. per lb. These increases are expected to produce £30,600,000 during the current year and £36,425,000 in a full financial year.

The recommendations of the Select Committee on Medicine Stamp Duties have again been rejected, the Chancellor stating: "I must also mention the Medicine Stamp Duty. A Committee of the House which considered this subject made a valuable report last year, but it has not yet been possible to arrive at conclusions on all the complex issues involved. It is my intention that a decision should be reached before next year's Finance Bill." We might refer here to the comprehensive explanation and information on Medicine Stamp Acts published in this year's *C. & D. Year-Book* (pp. 277 to 300). There was no mention that cosmetics had even been considered as a source of revenue.

The increases in taxation outlined may act in the nature of a cold douche to industry and commerce. There will, of course, be a great diversity of opinion as to whose pockets, and by what means, this additional revenue should be drawn. It might well be suggested that additional taxation could have been avoided without weakening the financial stability of the country. For instance, the actual net borrowing under the Defence Loan Act over the two years will be £126,000,000, against £170,000,000 provided for in the estimates, thus giving a margin of £44,000,000. Is there, therefore, any real necessity for saddling the already hard pressed taxpayer with immediate fresh burdens? Actually, the whole of the net increase in expenditure in this year's estimates is to be met practically out of income. The Chancellor, in giving reasons for his decision to increase taxation, indicated that he desires to conserve his borrowing resources at the highest level and not to touch other potential sources of revenue, in order to be in a position to meet the still greater demands for defence purposes during the next two or three years. The estimated expenditure on defence armaments this year, excluding supplementary votes, is £343,000,000; last year it was £263,000,000, while the cost in a normal year is about £140,000,000. The price of peace would appear to be a good deal more than "eternal vigilance."

As a scheme of finance, this Budget can definitely be termed both safe and sound. As a bold declaration of policy it must impress the world with our determination to endure whatever sacrifices that may be necessary in order to ensure our safety. As a contribution to world peace it is certainly convincing and of practical value. To the taxpayer it is unpalatable, while admittedly inevitable under the present circumstances. The commercial and industrial undertakings of the country will have to continue to carry the great responsibility of maintaining the nation's financial position, and this will only be achieved by cheerfully accepting with unabated confidence the burden that it is now called upon to carry.



## Anglo-Eire Agreements

THE Governments of the United Kingdom and Eire have, through their respective Ministerial representatives, this week in London signed Agreements which may well mark a new era of confidence and appeasement in Anglo-Irish relations. The introduction to the Agreements states . . . "being desirous of promoting relations of friendship and good understanding" . . . "and of facilitating trade and commerce between the two countries" . . . The Agreements, on defence, trade and finance, definitely terminate a period of over twenty years of unhappy conditions nationally, and put an end to the commercial strife which has gone on, to the detriment of both countries, far too long, and particularly since 1932. The most valuable feature, however, is the goodwill to which the Agreements testify and the presumption of good faith which they imply. It is now realised that the security and commercial and industrial well-being of Eire and Great Britain are bound up together.

The Trade Agreement, some particulars of which we publish on p. 497 of this issue, abolishes the penal duties imposed by both governments and will operate greatly to the advantage of Irish agriculture and British industry. British manufactured goods will be given what amounts to preferential treatment against foreign competition and fair opportunity to compete for business in Eire. Irish goods imported into this country will be put on the same footing as those shipped from other Empire sources. Provision is made for the two governments to consult on any change of circumstances whereby the stability of established Eire industries may be threatened. Trade between the two countries should now flow naturally under favourable conditions and increase accordingly; this in itself is a satisfactory guarantee of a continuance of good relations.

Everyone connected with the drug, chemical and allied trades in this country will heartily and sincerely welcome the achievement which the Agreements signify, namely, the re-entry of the Irish Dominion into the Commonwealth, and a renewal of friendly and mutually beneficial relations.

## A.R.P. Progress

THE call for one million volunteers to undertake work in connection with air-raid precautions should be indication enough of the urgency to be prepared for any eventuality in the future. If we are not mistaken the *C. & D.* was the first trade newspaper to issue a special air-raid precautions number, (*C. & D.*, November 14, 1936, p. 553. Now out of print). Progress has since been made not only so far as bringing home to the population of Great Britain the need of air-raid precautions, but in directing the attention of chemists, both retail and manufacturing, to the important part they may be called upon to play. The fact of being prepared will have much to do with the prevention of a general panic which might well be more dangerous than any initial air attack. It may be recalled that the chemist was advised that he could best serve the public by remaining in his own shop. This curious viewpoint, endorsed by the Pharmaceutical Society, first of all aroused disappointment and later resentment in the trade that the chemist should be treated in this off-hand manner. It is satisfactory to note, however, that the chemists themselves have refused to be quiescent in the national urgency.

Apart from the humanitarian aspect of air-raid precautions work, there is another to which we may pardonably

direct attention, and it is this: In the majority of cases where there is no ambulance within immediate call, the chemist's shop, from the public point of view, has been looked upon as the clearing house for street accidents and sudden illnesses. There is no reason to believe that after an air-raid the chemist's shop would be ignored; the chances are that, as already pointed out in these columns, he would find his shop converted into a casualty clearing station with a general call on him for bandages, dressings, etc., the question of payment being a problematical one. How much better is it, therefore, for every chemist to make his customers "A.R.P.-minded" and see that in every household there is a sufficiency of first-aid material in the event of necessity. In dissociating the pharmacist from active participation in air-raid precautions work, a big opportunity of advertising the value of the chemist in the trading community as the source to which application should be made was in danger of being lost. Thanks to the pharmacists themselves and to the manufacturers who have introduced special cases of material, the chemist should be able to retain his prestige or regain any which he might have lost in what after all is a matter especially affecting his trade.

In order to co-operate with both retailers and manufacturers, we have in this issue made a special effort to present up-to-date A.R.P. information in as many aspects as possible. The chart on the various gases and their actions and antidotes will no doubt be studied with interest, and we can arrange to supply reprints of these to any retail or manufacturing chemist who wishes to have them. The latest first-aid cases available for A.R.P. work are mentioned and illustrated, together with the necessary accessories. While everyone hopes that the need for these articles may be far distant, yet to be prepared is the first step towards achieving tranquillity in facing what is a disturbing problem of these days.

## The Benzamine Question

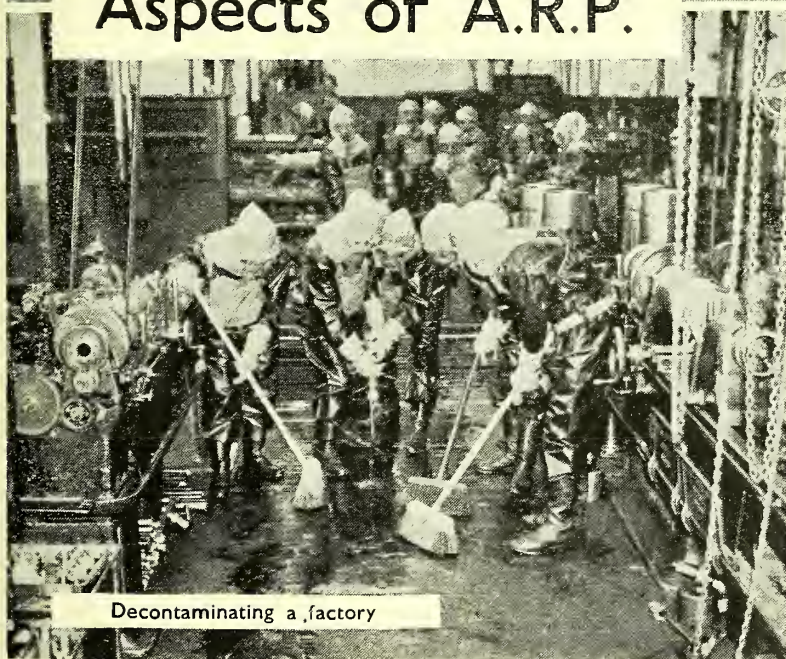
THE letter from a correspondent on p. 519 emphasises the situation created by differences in expert opinion as to whether or not benzamine is to be classed as a poison by virtue of 4:hydroxy-2:2:6-trimethyl-piperidine being regarded as an amino-alcohol. The "unequivocal" attitude on this matter by Mr. Quennell disregards the real point of our commentary on "The Benzamine Question" in the *C. & D.*, April 16, namely, that such an important matter as to the status of benzamine should be in dispute. This controversy recalls the fact that adalin and bromural were classed as "poisonous ureides" in Martindale's "Extra Pharmacopœia" from 1913 to 1933, but omitted from the *C. & D.* Poison Lists. The introduction of the new poisons code settled the issue by omitting both preparations from the Poisons List. The object of the present discussion of the benzamine question is to avoid a repetition of such an unsatisfactory situation. The *C. & D.* "Poisons Guide" includes a notable list of First Schedule poisons complying with the definition of amino-alcohols esterified with benzoic acid, etc., but states that benzamine is "Not Listed." Our reasons are fourfold, and relate to amino-alcohols and not amines:—(1) Benzamine does not contain an amino-alcohol residue (the OH group not being in a side chain); (2) 4:hydroxy-2:2:6-trimethyl piperidine cannot be regarded as a secondary amine owing to the NH group being part of the heterocyclic ring (the fact that it behaves as a secondary amine being beside the question); (3) slight changes in stereo-chemical configuration may profoundly affect physiological activity (e.g., *l*-adrenalin and *d*-adrenalin); (4) straight chain hydrocarbons and compounds with carbon rings form two primary and distinct subdivisions in organic chemistry and an amino-alcohol inherently belongs to the open chain subdivision. It can only be reiterated that if benzamine is to be classed as a poison, there is every reason for its status to be regularised by specific mention in the Poisons List.



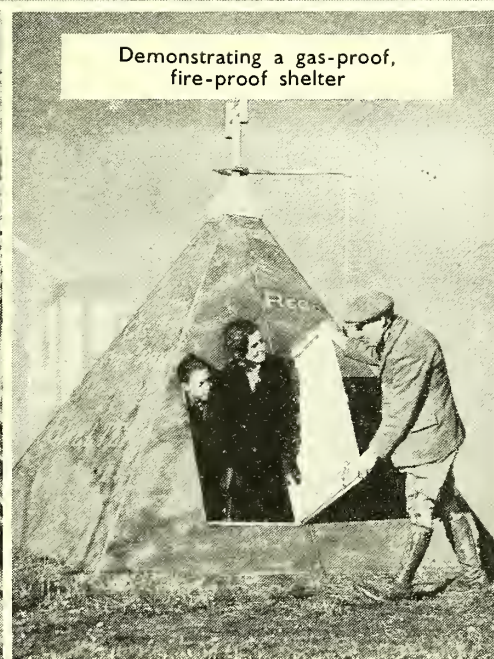


Spreading bleach powder

## Aspects of A.R.P.



Decontaminating a factory



Demonstrating a gas-proof,  
fire-proof shelter



Decontaminating a motor lorry



Canning gas masks under nitrous oxide



## A.R.P. Handbooks

THE following Home Office, Air Raid Precautions Department's, publications are now available. Copies may be obtained from H.M. Stationery Office, Kingsway, W.C.2, or through any bookseller.

**Personal Protection Against Gas.**—This booklet of 100 pp. (price 6d.) gives a review of the nature and properties of war gases; the methods of gas attack from the air; the principles of gas detection and chemical indicators; general anti-gas precautions and protection of buildings of various types from attack by gas. The regulation types of respirators are illustrated and explained in detail. The protection of the skin against blister gases and the use of protective clothing. Anti-gas treatment of persons from gas-contaminated areas and the method of decontaminating clothing and equipment affected by gas.

**First Aid for Gas Casualties.**—This booklet of 50 pp. (price 4d.) gives the characteristics and symptoms of the gases, with details of the methods of treatment. Other poisonous substances, such as carbon monoxide, nitrous fumes, "paralysing" gases, trinitrotoluene and phosphorus burns are also described and the methods of treatment detailed. The detection of gas casualties and their treatment is explained, together with an appendix of poison gases and substances, giving particulars of their properties, symptoms and effect on human beings. The organisation and staffing of first-aid posts is given in detail, together with several illustrations of lay-out plans for first-aid posts.

**Air Raid Precaution in Factories.**—Handbook No. 6 (price 6d.) gives full details of the method of collective protection of personnel and the protection of various types of business premises (offices, factories, etc.). The appendix to the handbook contains information on (1) the general organisation of precautionary services, (2) protection of workers, (3) protection of buildings, machinery and plant, (4) communication of air raid warnings (5), concealment of external and internal lights, (6) emergency communications, (7) medical and first-aid arrangements, (8) fire-fighting, etc.

**Decontamination of Materials.**—This booklet of 70 pp. (price 6d.) is a complete review of the various types of contamination by gas; how to deal with non-persistent gases; methods of decontaminating for tear gas, blister gases, and the materials used therefor. Organisation of personnel and equipment of decontamination squads. The methods of decontaminating of roads, stone, brick and wood buildings and interiors and furniture are fully described. Particular decontamination problems in factories, plants and vehicles, etc., are reviewed, together with an appendix of equipment, methods of treatment, etc.

## Protection of the Home

It is understood that the Home Office (A.R.P. Department) has in course of preparation for distribution to householders throughout the country a handbook of instruction on the protection of private houses. Such a handbook containing authoritative information and expert advice will, no doubt, create considerable interest throughout the country. Up to the present time the public has had no official guidance on the subject of the best means to protect their own homes and families from the effects of air raids. The absence of such official instructions may well be the chief reason why, in many districts, the sales of precautionary materials and first aid outfits have so far been less than was anticipated.

While the handbook will probably be chiefly concerned with instructing householders in such matters as how to choose a refuge-room and to prepare it against the entry of gas, and against the effects of explosives and incendiary bombs, it will, no doubt, also suggest the materials that should be obtained forthwith as a precautionary measure and stored away for use in case of emergency. A home first aid outfit will certainly be specified. It may, therefore, be useful to indicate here what are considered to be the simple essentials in a small first aid outfit for an average household of four to six persons. The following list could, of course, be added to in many ways, but it is restricted to bare necessities, so that its selling price may come within the reach of the limited means of a considerable proportion of the public.

3 or 4 1-oz. packets of lint, for dressing wounds.  
3 or 4 1-oz. packets of cotton wool, for pads on dressings.  
2 triangular bandages for use as arm-slings or, when folded, as bandages.  
3 or 4 1-inch roller bandages, for fingers.  
3 2½-inch roller bandages, for head and limbs;  
3 3-inch roller bandages, for limbs or body.  
Strong cotton string or cord, for stopping artery bleeding.  
Packet of safety pins.  
Pair of scissors.  
Bottle of smelling salts.  
Sal volatile.  
Iodine or other antiseptic.

Other articles for which there should be a general demand by the public in connexion with preparing and equipping a home refuge-room are:—

Electric torches.	Non-inflammable dark-lens glasses.
Gummed paper.	Liquid disinfectants.
Adhesive tape.	Soap, towels, sponges.
Cellulose paper.	Home fire extinguishers.
Tins and jars with airtight lids.	

It is believed that approximately ten million copies of the Home Office "Householders' Handbook" will be distributed, and it is expected that the first batches will be available within the next two months.

### Refuge-Room Accommodation

The following details of accommodation per person have been officially recommended:—

For rooms of normal height (8 ft. to 9 ft.) an allowance of 20 square feet of floor area for each person will enable persons to remain in the refuge-room with complete safety for a continuous period of twelve hours without ventilation:—

A room 10 ft. by 10 ft. will take 5 persons.  
A room 15 ft. by 10 ft. will take 7 persons.  
A room 20 ft. by 15 ft. will take 15 persons.  
A room 30 ft. by 15 ft. will take 22 persons.

## Chart of War Gases

"THE CHART OF WAR GASES," published on the opposite page, provides in a concise and clear form a brief description of the chief poison gases; methods of detection; their effects and time action, and an outline of the First Aid methods to be employed to casualties. The chart has been carefully drawn up and is based on information contained in the Home Office A.R.P. Handbooks and the manuals of national First Aid organisations. It should be useful to the pharmacist in the course of his business. Customers interested in the purchase of air raid precautions goods would no doubt appreciate a copy for their own use. Chemical manufacturers and firms engaged in all branches of the wholesale drug trade will find the chart of practical use in connexion with arrangements they make for air raid precautions, and it is suggested that copies of the chart should be distributed to their staffs.

We have therefore arranged for reprints of the *C. & D.* "Chart of War Gases" to be available at the following prices, postage included:—

### Printed on Art Paper

	s.	d.
12 copies	...	1 3
25 copies	...	2 6
50 copies	...	4 9
100 copies	...	9 0
250 copies	...	12 6
500 copies	...	20 0

### Printed on White Card

	s.	d.
12 copies	...	2 9
25 copies	...	5 0
50 copies	...	7 6
100 copies	...	12 6
250 copies	...	17 6

Orders, together with remittance, should be addressed to The Publisher, THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2.

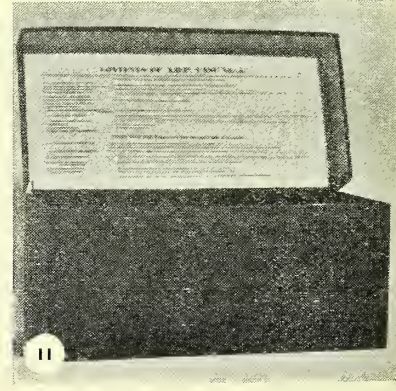
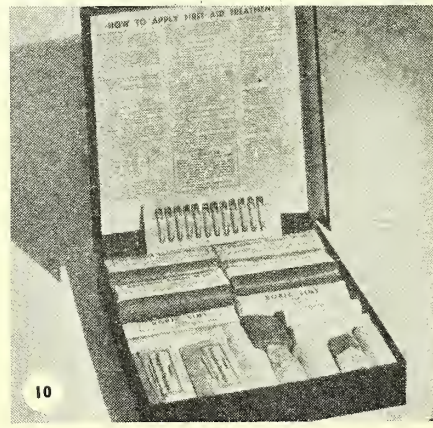
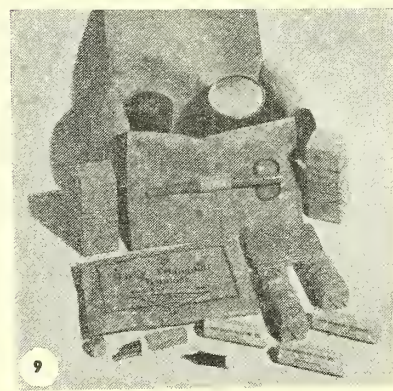
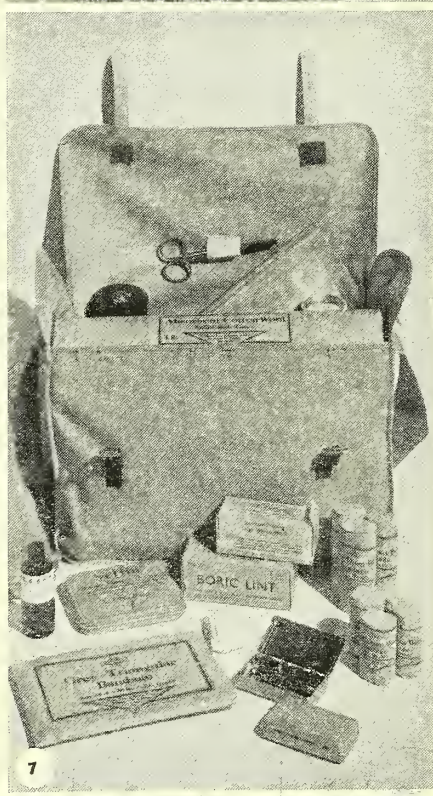
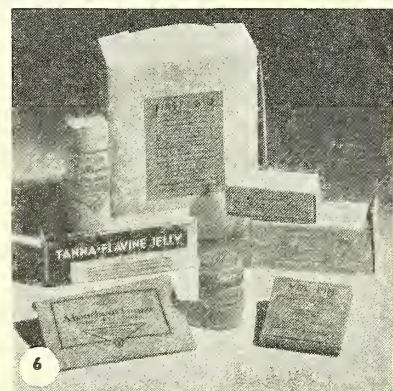
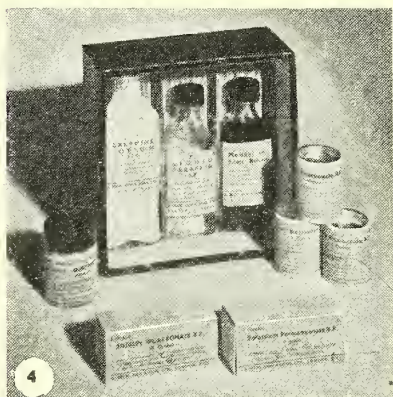
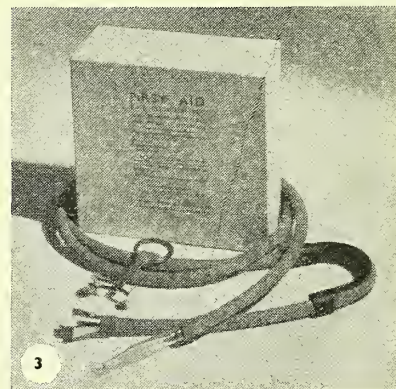
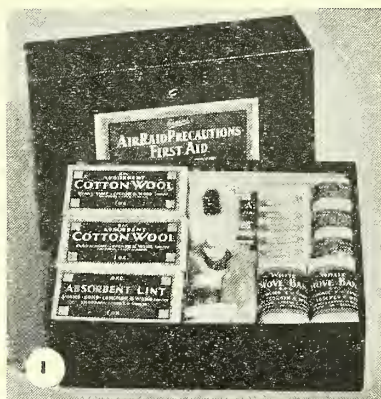


Name of Gas	Group	Description	Method of detection	Effects	Time action	Protection	First Aid
Phosgene	Choking. Non-blisters. Non-persistent.	A gas, almost invisible. Corrodes metals. Is rendered less effective by heavy rain.	Smell of musty hay.	Highly lethal in strong concentration. Cough, watery eyes, tightness and pain in chest, possibly nausea, vomiting. Later oedema.	0-24 hours according to concentration. Usually a period of well-being after early symptoms.	Respirator 100%	Rest: Most important; patient should be stretcher case. Warmth: To prevent shock and shivering. Oxygen: When breathing gets embarrassed from oedema.
Chlorine	Choking. Non-blisters. Non-persistent.	A greenish gas. Corrodes metals. Soluble in water.	Smell of bleaching powder.	Same as "Phosgene" but not so deadly.	0-24 hours. No period of well-being after start of symptoms.	Respirator 100%	Same as for "Phosgene."
D.A. D.M. D.C.	Nose irritants. Non-blisters. Non-persistent.	Yellow crystalline solid. When heated gives off almost odourless smoke. Generally invisible.	Irritation to nose and throat.	Burning in nose, mouth and throat. Sneezing, coughing, tears, running nose and mouth, headache, neuralgia, earache, toothache, pain in gums, mental depression.	0-5 minutes. May be delayed for few minutes after exposure.	Respirator 100%	Usually not needed, as symptoms subside after initial tendency to increase on removal to fresh air.  Rest, fresh air. Remove contaminated clothing.
C.A.P.	Tear. Non-blisters. Non-persistent.	White - coloured crystalline solid. Almost invisible in gaseous state.	Irritation to eyes and nose. Smell of floor polish.	Copious tears, spasm of eyelids. Slight skin irritation.	Immediately. Usually ceases on removal to fresh air.	Respirator 100%	Not usually needed, but if irritation persists, wash out eyes with warm boracic lotion.
K.S.K.	Tear. Non-blisters. Persistent.	Dark brown liquid. Gaseous state invisible.	Irritation to eyes and nose. Smell of pear drops.	Copious tears, spasm of eyelids. High concentration: lung irritant.	Immediately. Usually ceases on removal to fresh air.	Respirator 100%	Same as "C.A.P."
B.B.C.	Tear. Non-blisters. Persistent.	Dark brown liquid. Gaseous state invisible.	Irritation to eyes. Smell of wet serge or Portuguese laurel.	Copious tears, spasm of eyelids.	Immediately. Usually ceases on removal to fresh air.	Respirator 100%	Same as "C.A.P."
Mustard	Blisters. Very persistent.	An oily liquid, varying in colour from straw yellow to dark brown. Soluble in fat, tar, spirits. Great powers of penetration. High boiling point and high freezing point.	Smell of garlic, onions, horseradish or mustard, but faint except in high concentration.	Liquid (contact): Eyes: Close, causing permanent injury. Skin: No irritation at first, later redness and blisters. Vapour: (a) Eyes: irritation, conjunctivitis, spasms, closure. (b) Lungs: No effect at first, later loss of voice, cough, developing to bronchitis or pneumonia. (c) Skin: No effects at first, later redness, blisters. (d) Stomach and intestines: severely injured by swallowing contaminated food.	Immediately irritant. Redness 2 hours. Blisters 12-24 hours.  2-4 hours.  4-6 hours.  12-24 hours.  Redness, 2-4 hours. Blisters, 24 hours. Note: Effects are always delayed, according to period of exposure and concentration.	Respirator for eyes and lungs. Protective clothing for body.	Liquid in eyes: Irrigate immediately, warm water, repeat frequently. Apply drops of liquid paraffin or castor oil. Liquid on skin: (a) Wash with soap and water. (b) Bleach ointment. (c) Solvents, benzene, etc. Liquid on clothing: (a) Remove clothing. (b) Wash body with soap and water. Vapour; skin or clothing: (a) Remove clothing. (b) Wash body with soap and water. Time most important factor.
Lewisite	Blisters. Very persistent.	A colourless liquid. Gives off invisible gas. Is rapidly neutralised by water and any alkali. Great powers of penetration. Low freezing point.	Very strong smell of geraniums.	Liquid (contact): (a) Eyes: Irritation, permanent injury. (b) Skin: Stinging, redness, blisters later. Vapour: Causes sneezing, coughing, but skin irritation less than "Mustard."	Immediate. Blisters in 20 minutes. Note: Action is delayed, but not so much as in "Mustard."	Respirator for eyes and lungs. Protective clothing for body.	Liquid in eyes: Same as "Mustard" but treatment must be immediate. Liquid on skin: Wash with soap, water and soda. Liquid and vapour on clothing: Remove clothing at once; wash skin with soap, water and soda. Blisters to be opened and cleaned aseptically to prevent re-absorption.

## CHART OF WAR GASES



# A.R.P. First-Aid Cases and Outfits





IN the first Air-Raid Precautions issue of THE CHEMIST AND DRUGGIST (November 14, 1936) two pages were taken up with illustrations of first-aid outfits suitable for emergency treatment after an air attack. A glance at the pictures on this and the opposite page is sufficient to show that manufacturers have made considerable progress since that date. To-day there are on the market a number of specially assembled and specially labelled cases designed to provide outfits which meet the general requirements outlined in the Home Office series of A.R.P. booklets. Details are given of the cases illustrated.

(1) FIRST-AID CASE FOR SMALL AND MEDIUM HOUSEHOLDS (*Evans Sons Lescher & Webb, Ltd., Liverpool*).—Contains lint, cotton wool, triangular bandages, open weave bandages in 7-in., 2½-in., and 3-in. widths, cord, safety-pins, smelling salts, sal volatile, in pasteboard box, size 10½ in. by 7 in. by 3½ in.

(2) FIRST-AID CASE FOR HOME USE (*S. Maw, Son & Sons, Ltd., London*).—The case is intended for a family of five persons and measures 12 in. by 5½ in. by 7½ in. The contents are tannic acid jelly, anti-gas blister ointment, iodine solution, sal volatile, splints, safety pins, douche tubing and fitments, enamelled can, triangular, roller, finger and wound bandages, cotton wool pads, burn and blister dressings and scissors.

(3) EYE-DOUCHING APPARATUS (*Maw*).—The apparatus is similar to that included in the home first-aid case (2) and consists of four feet of rubber tubing, glass eye-nozzle, pinch-cock, vulcanite bend and metal sinker.

(4) CASE OF MEDICAL PREPARATIONS FOR USE AFTER GAS ATTACK (*Maw*).—The case measures 6½ in. by 6½ in. by 3 in., and contains calamine lotion, liquid paraffin, menthol with friar's balsam, sodium bicarbonate, potassium permanganate and bleach ointment.

(5 and 8) TABLOID FIRST-AID NOS. 732 AND 733 (*Burroughs Wellcome & Co.*).—The cases contain, in addition to the usual first-aid accessories and medicaments, Soloid sodium chloride, for preparing saline solution for use as an eye-wash after exposure to tear gases, as recommended in the Air-Raid Precautions Handbook, No. 2; Soloid Tolamine (chloramine, B.P.), for decontamination of clothing; Tabloid sodium bicarbonate, to allay irritation in cases of delayed damage from vesicant gases; Paroleine liquid paraffin, for treating the eyes after washing with saline solution; Tannafax tannic acid jelly, for mustard-gas or Lewisite burns; and other preparations officially recommended for A.R.P. work.

(6) FIRST-AID CARTON (*Maw*).—Contains tannic acid jelly, anti-gas blister ointment, one bandage, one small and one large wound dressing, plain gauze and elastic wound dressings.

(7) LARGE CANVAS HAVERSACK (*Maw*).—The haversack contains sal volatile, medicine glass, bandages, plaster and other dressings, cotton wool, boric lint, safety pins, scissors, splints, iodine solution and sling.

(9) SMALL CANVAS HAVERSACK (*Maw*).—Contains scissors, sal volatile, medicine glass, dressings and iodine ampoules.

(10) PARAGON HOUSEHOLDER'S FIRST-AID OUTFIT, A.R.P. 4 (*T. J. Smith & Nephew, Ltd., Hull*).—The case is a compact pasteboard box, size 9½ in. by 9½ in. by 1½ in., and complies with the suggestion in the Home Office official booklet "The Protection of Your Homes against Air Raids." The contents are sal volatile, liquid and in ampoules, iodine solution, bandages and dressings, safety pins and cord.

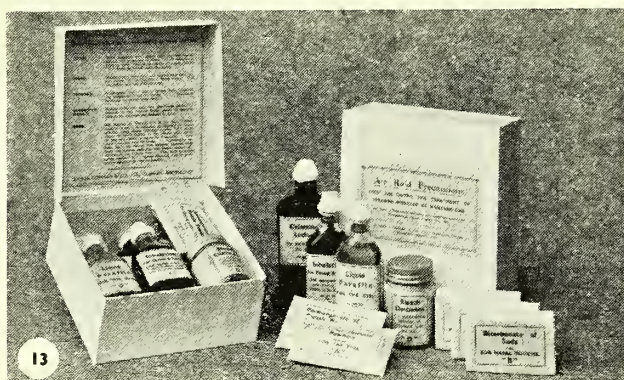
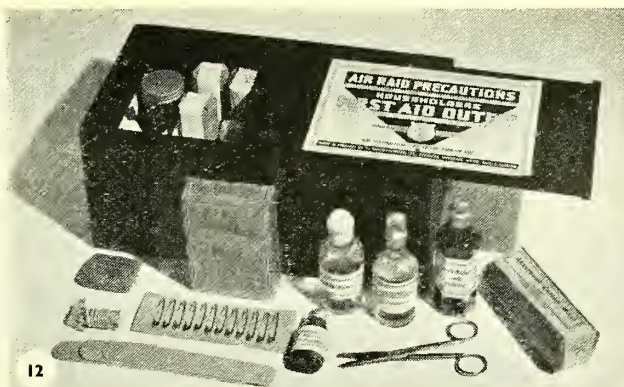
(11) HOUSEHOLDER'S FIRST-AID OUTFIT AND ANTI-GAS TREATMENT, A.R.P. 5 (*Smith & Nephew*).—Black pasteboard, hinged lid box measuring 12 in. by 5½ in. by 5 in., containing lint (plain and boric), cotton wool, triangular and roller bandages, scissors, sal volatile, iodine solution, safety pins, spatulas, cord, sodium bicarbonate, friar's balsam with menthol, bleach ointment, potassium permanganate tablets, calamine lotion and liquid paraffin.

(12) As above, but in wooden box 12½ in. by 6½ in. by 6 in.

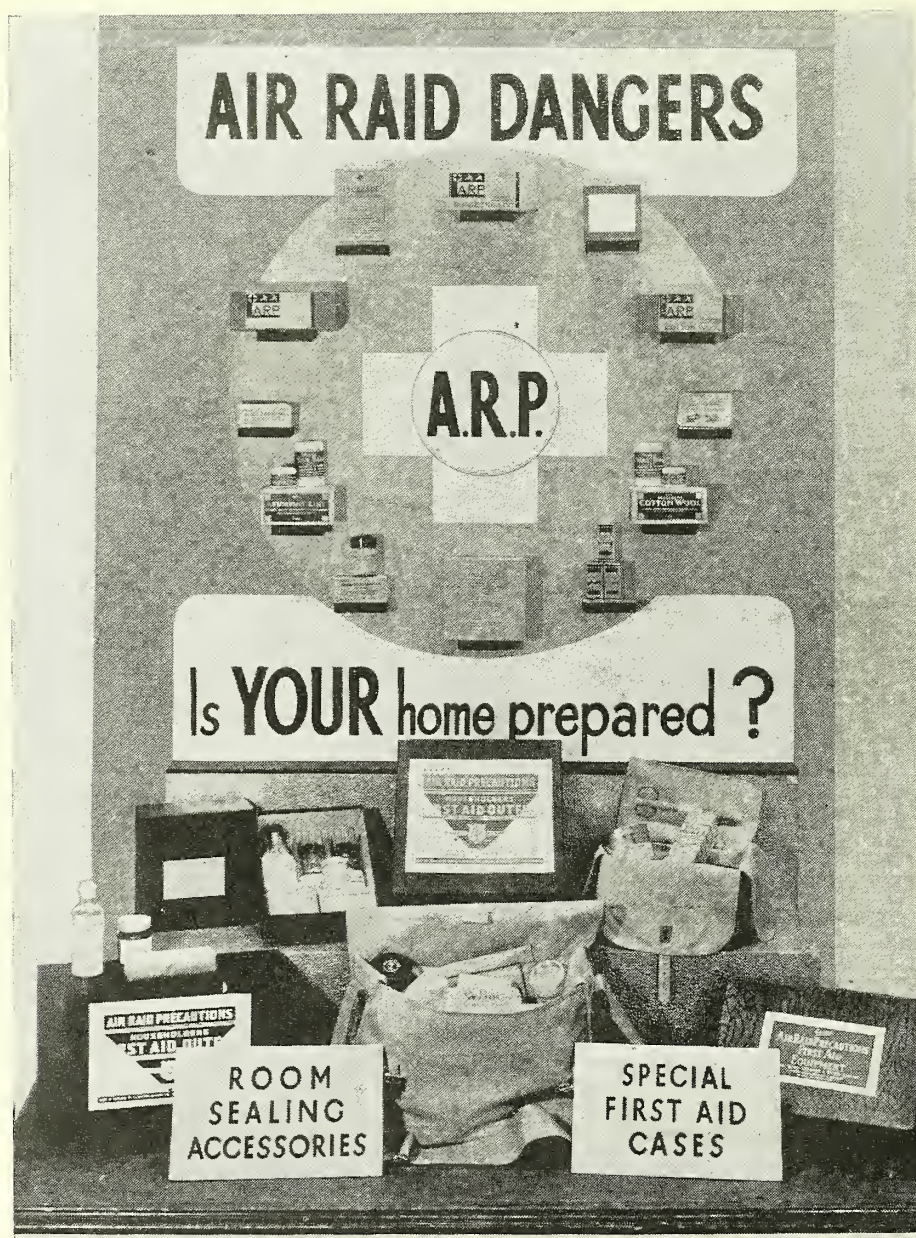
(13) SANOID MUSTARD GAS OUTFIT, A.R.P. 3 (*Cuxson, Gerrard & Co., Ltd., Birmingham*).—This is a pasteboard container with sodium bicarbonate, bleach ointment, potassium permanganate, calamine lotion, liquid paraffin and friar's balsam with menthol.

(14) PARAGON FIRST-AID OUTFIT, A.R.P. 6 (*Smith & Nephew*).—This is a large, strong wooden case with leather handle and hinged drop front containing surgical dressings, splints, plasters, bandages, safety pins, Elastoplast, doctor's set and surgical case, instruments and medicaments.

(15) SANOID HOUSEHOLDER'S FIRST-AID OUTFIT, A.R.P. 4 (*Cuxson, Gerrard*).—Containing lint, cotton wool, bandages, smelling salts, iodine solution, sal volatile, safety pins, etc.





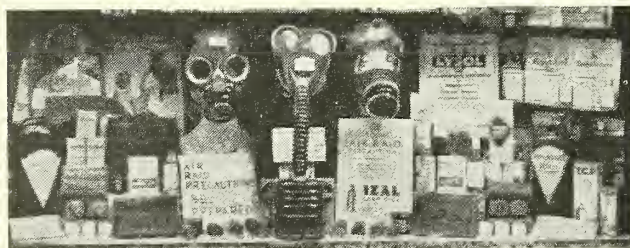


Display in London Store

At right, window display at A. W. Gamage & Co., Ltd., London, demonstrating methods of protection in an air attack.

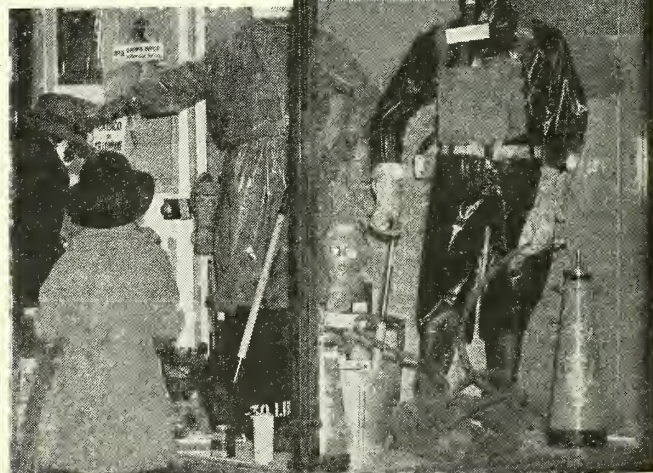
#### Shelf display

Below, single-shelf display by Mr. William P. Longstaff at the pharmacy of Mr. F. A. Lund, M.P.S., 94 Westborough, Scarborough. The gas masks were borrowed from the local branch of the St. John Ambulance Brigade.



## A.R.P. on Display

FIRST-AID cases and room-sealing materials are the important items to be featured in an A.R.P. window display. The suggestion of first-aid may be given by the prominent use of a cross device, as in the display illustrated, but care must be taken to avoid infringement of the copyright in the red cross adopted by International Convention. Copyright in this is rigidly enforced. The centre-piece included in this display has a white cross on salmon-coloured ground. The goods shown are as described on other pages, and the arrangement of the display is to a large extent self-explanatory. The centre-piece, which was substantially the same as that used in another display recently illustrated in the *C. & D.*, was placed upon stepped display cubes placed horizontally, the near and lower cube being used as a stand for goods. Showcards pertaining to some of the first-aid cases illustrated are issued by T. J. Smith & Nephew, Ltd. (Paragon home first-aid); S. Maw, Son & Sons, Ltd. (A.R.P. first-aid companion sets) and Evans Sons Lescher & Webb, Ltd. (household first-aid cases). If the inclusion of gas-masks is considered desirable, most local A.R.P. authorities will supply them on loan, in a desire to increase public interest in air defence.



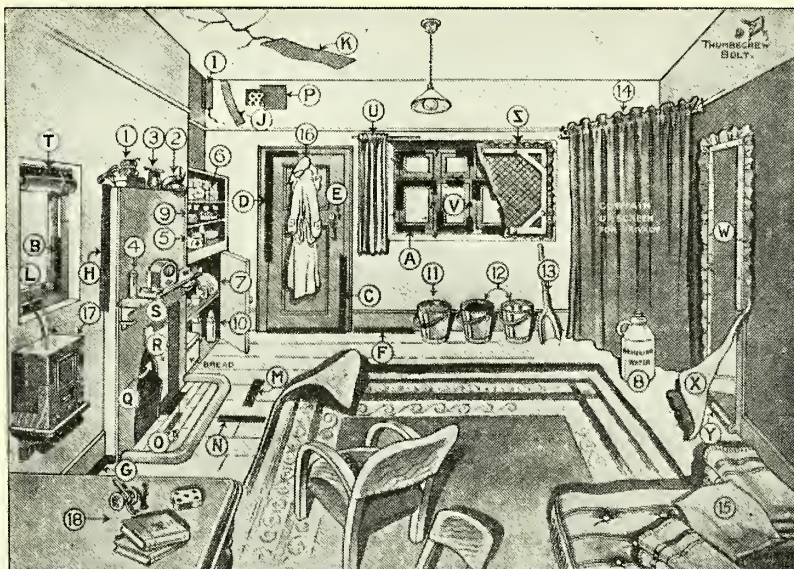


## GAS-PROOF ROOM

### Articles recommended to be in your Refuge Room at a time of emergency

The undermentioned items are articles which are probably possessed already or can be collected before hand

- 1—Strong hammer and nails. Scissors
- 2—Gummed paper and adhesive tape
- 3—Put of paste, or gum for pasting paper or cellophane over cracks and window panes. Paste can be made from flour and water boiled with a few cloves put in to keep it fresh
- 4—Candles, matches, lamp or electric hand lamp. Needles, cotton and thread material to protect the windows, e.g. old newspaper and brown paper, transparent wrapping material or cellophane or, failing this, some fabric material such as linen from old pillow cases or mosquito netting. A few tins or jars with air tight lids for storing food
- 5—Bottle of disinfectant clean rag. Box of First-Aid supplies containing a few bandages, small packet of boracic lint, cotton wool, some safety pins, a second pair of scissors, a bottle of household salt, sal volatile at least one pair of dark hair glasses non-inflammable



### HOW TO MAKE A ROOM GAS-PROOF

- A** Room 10 feet x 10 feet x 8 feet will accommodate 5 persons for 12 hours
- Choice of Room:**  
Cellar (best if 2 exits) or basement or room or ground floor, one with small window, safe at 1/2 way away from prevailing wind, safe ground outside or room close to adjoining house (Protection from H.E. blast)
- First:**  
Shut all windows and doors in great haste. Put out fires. Turn off gas. Electric light may be used

- Fill in all cracks with pulp made of sacking newspaper or putty, pasted over with strong gummed paper or brown paper and paste afterwards
- Fit in:**  
A & B—Windows  
C & D—Doors  
(This door is permanently sealed)  
E—Kneehole (Hinge Key on handle)  
F & G—Wainscoting  
H—Side of Fireplace

- I & J—Walls  
K—Ceilings  
L—Wardrobe  
M & N—Between Floor Boards  
Take up carpet or linoleum  
Fill in, and relay carpet
- O—Taps  
(Mushrooms, gas and water pipe entrance)  
P—Ventilator (Brown Paper and Paste), Outside of House also

- Fire Place:** Close up Chimney with Q—Rags or sacks  
R—Plugs  
S—Strong brown paper to paste down ply. wood over fire place  
T—Carpets nailed to window ready to lower for protection against glass splinters or for use at night to prevent light showing outside. Bladders at side to fasten down if required.

- U—Heavy curtains (roll up)  
V—Cellophane or strong paper to prevent collapse in case the glass is cracked, several layers if possible, glued on the glass by cellulose wash or gum, or other adhesive. Let the cellophane overlap on to the frame. Cellophane bladders can be used.  
W—Blanket nailed to door frame with wooden laths, keeping left at bottom for entry. Bladder outside if door opens inward. Keep blanket damp with water.

- X—When in room fasten down firmly  
Y—Wood covered with felt for air-tight fit.  
Z—For a good sound extra precaution, two layers of blanket and strong wire netting fastened to wooden frame lining tightly against window by thumbtacks (bols face slightly). Between movable frame and the window frame a rubber or felt strip to make the joint air-tight.  
It this is used T and U will not be needed, neither spare blanket at 15

Rest quietly to save Oxygen.  
**NO SMOKING.**

On an emergency arising the undermentioned articles should be placed in the Refuge Room in addition to those already mentioned.

- A Roll Call** list of all who should be present. This applies particularly to office premises, or if the room is to be shared by neighbours
- Gas Masks** for all, with owners name on box. Puncture outfit for mending masks might be useful.
- Food**—A food chest of some kind for 48 hours (or jars will do) as a precaution against contact with gas. Tinned food, tins open, cork secure
- Plenty of water** for drinking, washing and for damping the door blanket.
- Plates, cups, knives, forks, etc.**
- Flasks** for hot tea or coffee.
- Paper gulls** for re-sealing cracks etc. (wet newspaper)
- Sand and water** for fire emergency, or a fire extinguisher, and a simple hand pump (if possible).
- Shovel** (long handle best) tins and chairs, washstand, or basin, soap, towels etc.
- Screen**, for privacy, chamber pots, toilet
- Spare blankets** or rug for re-sealing the window if it should be blown in. Manufacturers to be on. Overcoats, blankets, rugs and warm overalls.
- Matchboxes, globes, gun boxes** (useful for outside reconnaissance after raid).
- Wireless set** (a battery best as electric light might fail), gramophone with records
- Books, writing materials, toys.**  
Table in corner against inner wall.  
When raid overhead, good place under table.

## Furthering A.R.P. Sales

OF educational and display matter available to chemists who are desirous of taking advantage of the present public interest regarding air-raid precautions, a striking piece is the "Gas Proof Room" diagram illustrated on this page. It is shown by courtesy of Jordan & Sons, Ltd., 116 Chancery Lane, London, W.C.2, from whom reproductions on card (size 24½ in. x 16 in.) may be obtained. The chart is supplied free by S. Maw, Son & Sons, Ltd., to dealers placing orders value £1 or over; or sold singly.

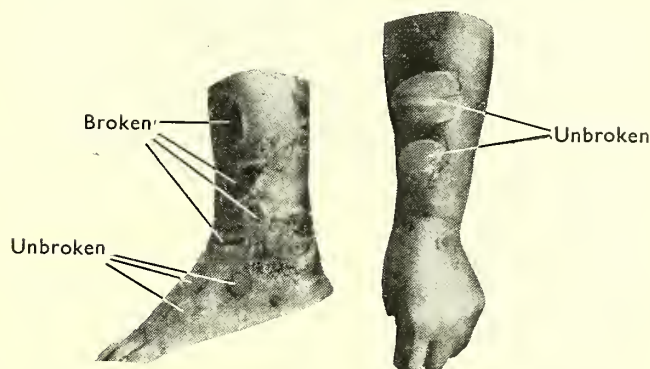
### Advertising Matter

A special series of eight pamphlets for interested customers has been prepared by the pharmacy department of William Whiteley, Ltd., London, who write: "Though the average customer is not interested in the purchase of A.R.P. material, an exhibition of masks, first-aid cases, etc., promotes a topical conversation which is of sufficient interest to link up with the sale of other merchandise on a subsequent occasion. This conversation can be optimistic yet knowledgeable. We have had a display of A.R.P. material, and a gas-proofed room here, which promoted considerable interest, especially from banks, factories, borough engineering departments, town halls, etc. These seem to be the main contacts. In a lesser degree, owners of private property have shown concern for their staffs." The leaflets are duplicated on quarto paper and deal with "Choice of Refuge Room" (consideration of position, size, methods of sealing doors, windows, chimneys, etc., and of preparing air-locks); "Items Required in Refuge Room" (a list including general supplies as well as pharmaceutical supplies); "First-Aid Boxes" (detailed contents of three cases recommended); "Respirators" (description of various patterns; advice on storage, cleaning and disinfection); "Protective Clothing" (jacket, trousers, hood, gloves, boots; also details of protective material for making up into curtains, air-lock entrances, window blinds, etc.); "Bleach Powder" (packings and method of use). The remaining pamphlets give a list of useful

accessories other than those officially recommended—gummed cloth tape, transparent paper and material, wire-reinforced material for placing over window glass; sand or earth bags; asbestos for blocking up fireplaces; disinfecting and deodorising fluid; oxygen resuscitating apparatus; Haldane's apparatus for administering oxygen; resuscitating apparatus for infants, stretcher, room thermometer, air-raid precaution booklets; and quantity prices for institutions.

## Mustard Gas Blisters

BELOW are shown, from actual photographs, the effects of liquid mustard gas on the skin. The unbroken blisters are butter-yellow in colour and the surrounding skin becomes



pinkish red. Unbroken blisters are treated with bleach ointment and the aim should be to avoid breaking them. Breakage results in "weeping," with weak pus and deepening of the wounds, caused by corrosion.

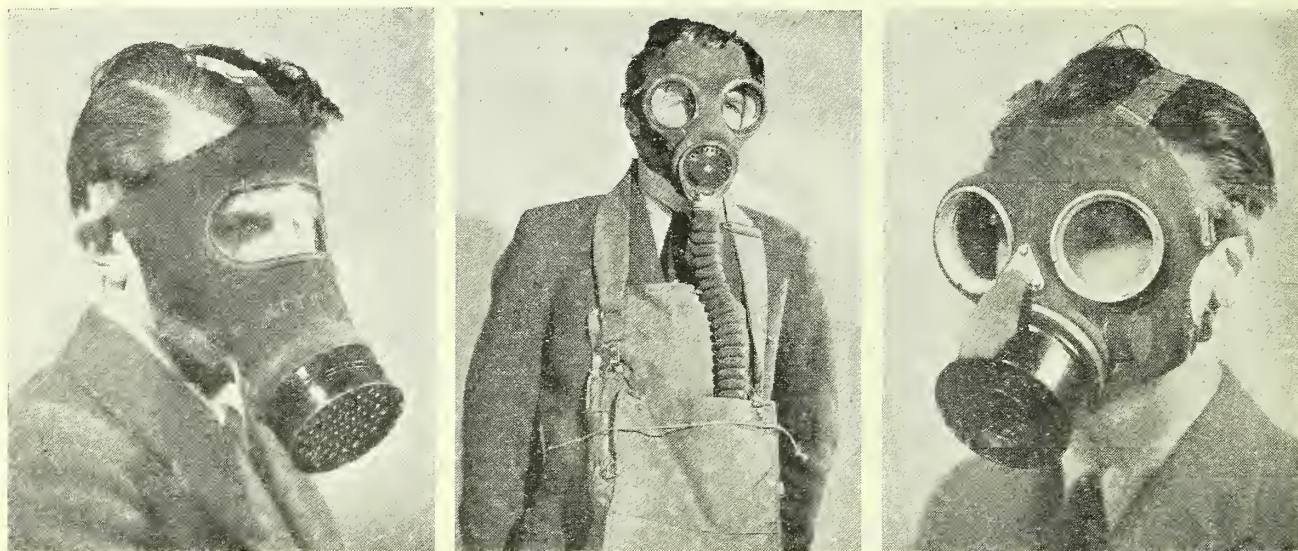


# Protection of Person and Property

THE most obvious way in which personal protection is afforded against gas attacks is by means of respirators. Three official types of mask are illustrated on this page. These are the Civilian type, which will be issued free to the general public by the Government in time of war in

For slight injuries caused during a raid in which explosive bombs are used an antiseptic waterproof coating is available in New-Skin, issued by the New-Skin Co., Ltd., London. This is available in display outers containing half a dozen cartons.

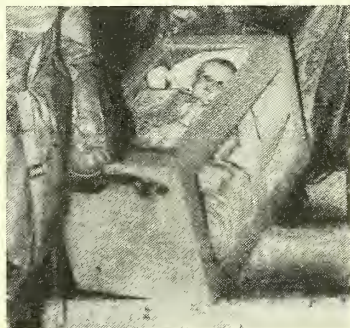
A. de St. Dalmás & Co., Ltd., Leicester, issue sealing tape



OFFICIAL RESPIRATORS.—Civilian (left) ; Service (centre) ; and Air Warden's

areas exposed to attack ; the respirator issued to air-raid wardens and those who will have duties to perform during air raids ; and the Service respirator. Respirators similar to the Civilian and Air Raid Wardens' patterns are available for sale to the public from Siebe, Gorman & Co., Ltd., London, Wallach Bros., Ltd., London, and others.

Various types of refuge have been introduced for groups of persons and also for individual use, and one such is illustrated on this page. This is manufactured of steel, and was exhibited recently in the window of a Piccadilly, London, store. For the protection of babies during gas attacks a device designed by a Paris inventor has recently appeared.



Steel shelter for two persons (left) and gas-proof box for babies (above)

This consists of a gas-proof, glass-sided metal box with an air-filtering device. This also is illustrated.

Plastrip, an antiseptic self-adhesive bandage issued in display outers by Duke Pharmaceutical Co., Ltd., Liverpool, 1, is supplied

in one-inch, two-inch and three-inch widths, length four yards, the display outers containing four dozen one-inch, two dozen two-inch or fifteen three-inch bandages.

(not illustrated) in 1½-in. (15 yards) and 2-in. (20 yards) widths. Robinson & Sons, Ltd., Chesterfield, are preparing outfits containing first-aid dressings. The outfits will be in various forms, including pouches, haversacks and home sets.

## Room-sealing

For room-sealing, a number of adhesive tapes have been specially prepared by various manufacturers. Among these is the anti-gas tape manufactured by William Mather, Ltd., Manchester, which is issued in special labelled cartons (see illustration on p. 513). Durex Abrasives, Ltd., Birmingham, issue two varieties of tape, one of transparent tissue for applying to the windows and the other a heavy room-sealing tape. The latter was submitted to a consulting air-raid precautions engineer, who reported on it as follows:—"I have now tried this tape on glass, wood and iron, and it has been in position for nearly two weeks and shows no sign of coming off. I find it very easy to apply, and this can be done quickly by any inexperienced person, and the tape is easier to handle than surgical plaster. It does not tend to cockle up, stick together or twist. It appears to adhere readily to any surface so long as it is dry. On a damp surface it seems more difficult to get it to adhere, but I do not think that this can be considered as a serious disadvantage. From the above tests I am very much impressed with the possibilities of this tape for the sealing of doors, windows and cracks in walls, floors and ceilings as a means of preventing gas from entering into a room prepared as an air-raid shelter." An entirely new group of products for room-

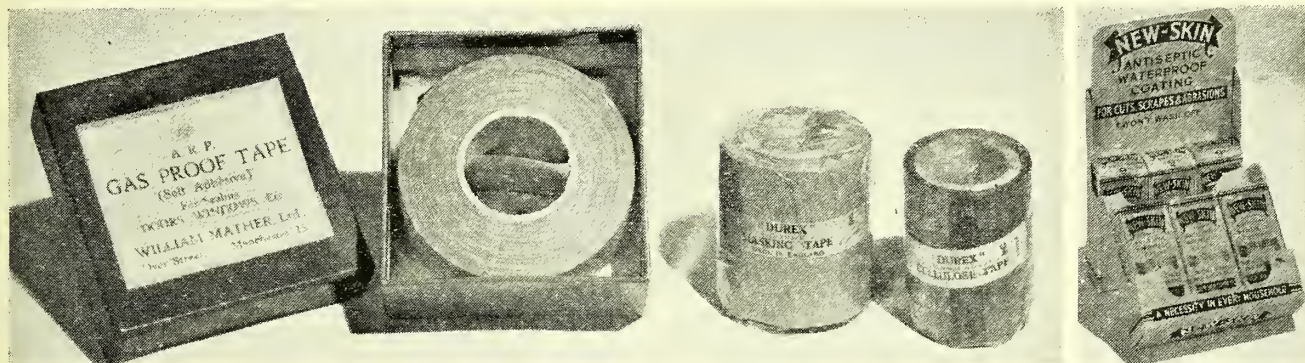


Plastrip bandages in display outer



sealing is issued by the A.G.P. Co., Ltd., 12 Renfield Street, Glasgow, C.2. The A.G.P. tube is used for door and window cracks, and the method of using it is graphically illustrated beside the picture of the product on this page. If the tube is

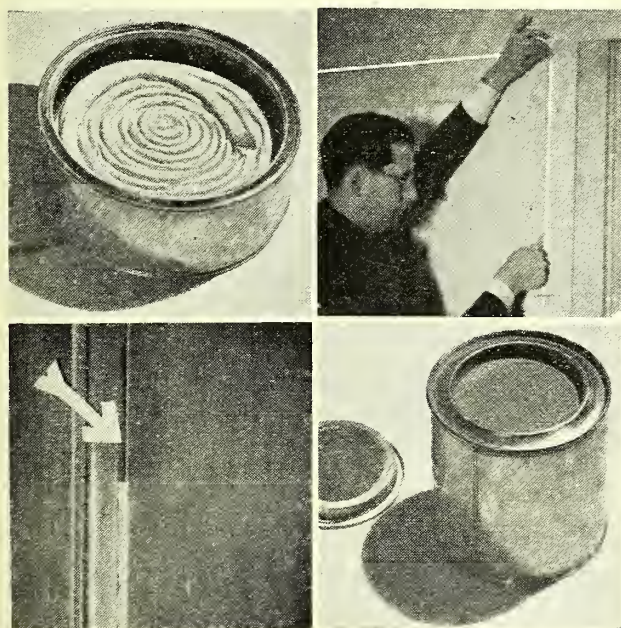
pad to reach the wound, that the plaster does not "draw" the wound, is comfortable to use and easy to remove because the coating is applied in strips. A two-colour folder issued by Cuxson, Gerrard & Co., Ltd., Birmingham, gives particulars



*Varieties of sealing plaster ; New-skin waterproof coating*

left in position for several weeks it dries where exposed to air, but still keeps the crack gas-tight. The tube may be used as a permanent filling if desired. If it has to be taken down after a period and used elsewhere it should be rolled into a ball and kneaded with the hands to enable it to regain its normal quality. If the surface of the tube has become completely dry it can be warmed to regain sufficient pliability for use, although it is not so satisfactory after warming as when originally employed. The A.G.P. crack-filling compound is smeared into cracks with the fingers and can be wiped clean,

of a number of gas-decontamination and fire-protection accessories. These include a stirrup hand pump to Home Office specification, designed for dealing with small fires caused by incendiary bombs, and readily converted, if desired, by means

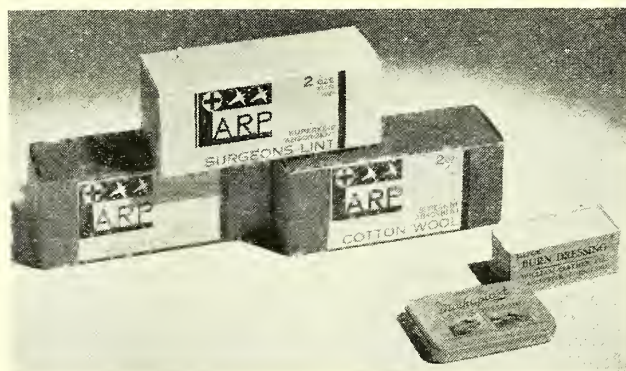


*Top row, A.G.P. tube and method of use ; below, A.G.P. crack-filling compound in use and in container*

thus causing no damage. Both products are marketed by A. de St. Dalmas & Co., Ltd., Leicester.

### Dressings and Accessories

Special A.R.P. surgical dressings are issued by Arthur Berton, Ltd., 256 Old Street, London, E.C.1. As will be seen from the illustration, these bear the letters A.R.P. prominently displayed on the label; the items illustrated are cotton wool, boric lint and surgeons' lint. William Mather, Ltd., issue a burn dressing and Ventilo elastic first-aid wound dressing, special points of which are that filtered air passes through the

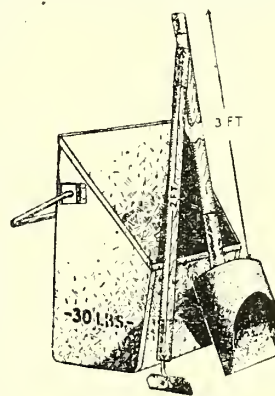


*A.R.P. dressings and adhesive plaster*

of a special attachment, into a decontamination sprayer; all-metal A.R.P. stretcher, made in a novel form of wire mattress which is replaceable and with legs which fold flat for storage; respirators in three patterns (civilian, civilian duty and general service); and protective clothing (oilskin jackets, trousers, hoods and gloves; rubber gum-boots).

### Removing Bombs

The apparatus recommended for use in removing incendiary bombs from the scene of danger consists of a sand bin with open sloping top, long-handled scoop and hoe fitted with bayonet slot to engage in the ferrule of the scoop-handle. In use, the bomb is covered with sand, drawn into the scoop with the hoe and carried outside the building into which it has been dropped. An outfit similar to that illustrated is issued by Messrs. Cuxson, Gerrard under the brand Redhill, lettered "Fire" on the sand container.

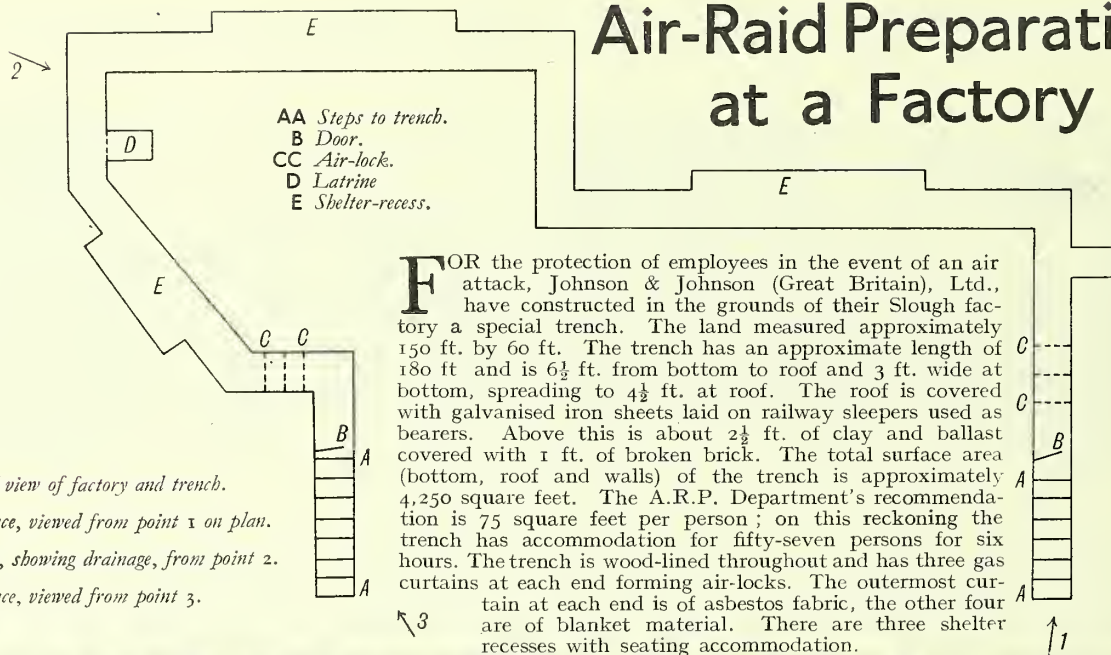


*Apparatus recommended for removal of incendiary bombs*

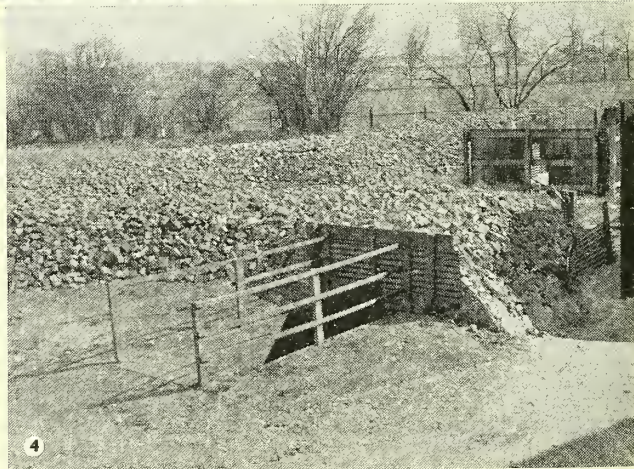
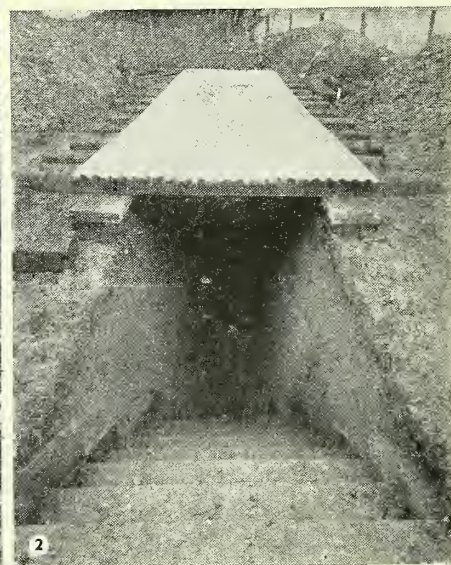
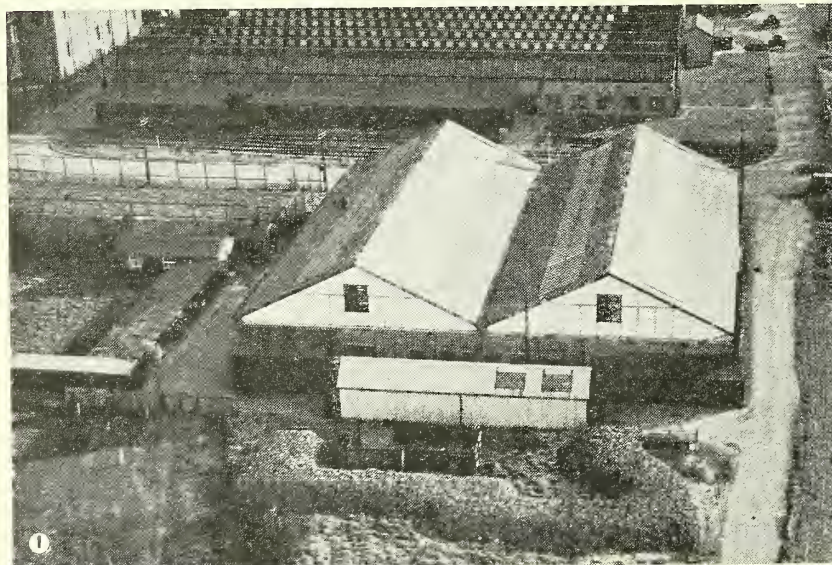
**MALARIA TREATMENT.**—The League of Nations Bulletin of the Health Organisation (Vol. VI, No. 6, 2s. 6d.) which has recently been issued gives a lengthy account of the study of synthetic drugs in the treatment and prophylaxis of malaria. The Bulletin is published by Allen & Unwin, London.



# Air-Raid Preparations at a Factory



FOR the protection of employees in the event of an air attack, Johnson & Johnson (Great Britain), Ltd., have constructed in the grounds of their Slough factory a special trench. The land measured approximately 150 ft. by 60 ft. The trench has an approximate length of 180 ft and is 6½ ft. from bottom to roof and 3 ft. wide at bottom, spreading to 4½ ft. at roof. The roof is covered with galvanised iron sheets laid on railway sleepers used as bearers. Above this is about 2½ ft. of clay and ballast covered with 1 ft. of broken brick. The total surface area (bottom, roof and walls) of the trench is approximately 4,250 square feet. The A.R.P. Department's recommendation is 75 square feet per person; on this reckoning the trench has accommodation for fifty-seven persons for six hours. The trench is wood-lined throughout and has three gas curtains at each end forming air-locks. The outermost curtain at each end is of asbestos fabric, the other four are of blanket material. There are three shelter recesses with seating accommodation.





# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, April 28

A QUIET tone, with a fair volume of consuming business moving is reported in most markets. The Budget has not been too well received; at the same time it is not likely to have any adverse effect on the markets. The trade agreement with Eire is welcomed as a step in the right direction. There have been some important movements in the PHARMACEUTICAL CHEMICALS markets. First, there is a further reduction of 10s. per cwt. in the home trade prices of GLYCERIN, B.P. Home trade prices for BISMUTH SALTS, with the exception of Carbonate, which continues unchanged for the time being, have been advanced. The export prices of Carbonate and Nitrate are up by 3d. and 2d. per lb., respectively. The advance in BISMUTH METAL which caused these increases seems to have been unanticipated; in fact, any movement in the raw material was expected to be to cheaper figures. EPHEDRINE HYDROCHLORIDE, B.P., remains distinctly quiet. There is no change in makers' scales of prices for MERCURIALS.

## Crude Drugs

A fair amount of smallish spot business is being transacted, and the steady tone in values is a marked feature of these markets. No articles are affected by the Budget. AGAR is steady but quiet. The demand for CURAÇAO ALOES has been brisk on spot, full prices being paid; no shipment offers. Speculative shipment quotations for new crop CASCARA SAGRADA are dearer. DESICCATED COCONUT is steadier after the recent declines. There has been a sharp recovery in shipment quotations for Spanish-Portuguese ERGOT. West African GINGER continues at very low figures. SUDAN GUM ACACIA is neglected. HONEY is steady but quiet. JAPANESE MENTHOL has had a quiet week, but values are steady. Spanish-Italian MERCURY continues at the reduction recorded last week. RUBBER shows a slight loss on the week. Spanish SAFFRON continues scarce and dear. Business in SENNA has been quiet. Spot supplies of Madras TURMERIC are small; it is reported that shippers are asking for extension of contracts on account of the crop being late. BEES' WAXES have been quiet. Shipment quotations for CARNAUBA WAX are generally easier.

## Essential Oils

These markets are not attracting the usual volume of business, and competition continues a feature in some products. The Budget affects WHITE CAMPHOR OIL. This product has been dutiable as a light hydrocarbon oil at the rate of 9s. per cwt. The increase of one-eighth in the duty now notified will make the total duty payable on the white (not brown) camphor oil 10s. 1½d. per cwt. ANISE (STAR) remains quiet and the spot market is very competitive. Spot and forward prices for 110 (SHU) are firmer. The shipment market for Sicilian hand-pressed LEMON remains rather quiet. The demand for French Guinea ORANGE is only moderate on spot, and some quotations are keen. The firmer tone in PALMAROSA is maintained. JAPANESE PEPPERMINT has been rather quiet, with values just about maintained. The Spanish oils, SPIKE and ROSEMARY, are fully steady on spot for genuine oils, and there are no shipment offers from the source.

## Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	April 21	April 28
Amsterdam ...	Fls. to £	12·107	8·96½	8·96
Berlin ...	Mks. to £	20·43	12·38	12·38
Brussels ...	Belgas to £	nominal	29·57	29·58
Copenhagen ...	Kr. to £	18·159	22·40	22·40
Lisbon ...	Esc. to £	110	110½	110½
Madrid ...	Ptas. to £	25·24½	nominal	nominal
Milan ...	Lire to £	92·46	94½	94½
Montreal ...	Dols. to £	4·86½	5·01½	5·01
New York ...	Dols. to £	nominal	4·99	4·98½
Oslo ...	Kr. to £	18·159	19·90	19·90
Paris ...	Fr. to £	124·21	158½	160·161
Prague ...	Kr. to £	164·25	143	143
Stockholm ...	Kr. to £	18·150	19·40	19·40
Warsaw ...	Zloty to £	43·38	26½	26½
Zurich ...	Fr. to £	25·2115	21·68	21·69

Bank rate 2 per cent.

## Pharmaceutical Chemicals, etc.

THE chief alterations in prices recorded this week are a reduction in makers' home trade scale of prices for glycerin and an advance in bismuth salts, with the exception of carbonate, which remains unchanged for the present.

ACETANILIDE.—Market is quoted unchanged: B.P. crystals and powder, 1s. 7d. to 1s. 10½d. per lb., as to quantity.

AMIDOPYRINE.—Convention prices unchanged: crystals, two cwt., 9s. 4d.; one cwt., 9s. 8d.; less than one cwt., 10s. per lb., with powder 2½d. per lb. extra.

AMMONIUM ICHTHIOSULPHONATE.—One cwt., 1s. 6½d., in 14-lb. tins; 1s. 8d. in 1-lb. tins; 1s. 10d. in 8-oz. tins, and 2s. 1d. per lb. in 4-oz. tins.

ASPIRIN.—Makers' and dealers' prices are steady, average business reported: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 3s.; 14 lb., 3s. 1½d.; 7 lb., 3s. 2½d.; 4 lb., 3s. 4½d.; 1 lb., 3s. 7d. per lb. Bulk packing free, net, carriage paid. Contracts, over twelve months, minimum one ton; over six months, less than one ton.

BARBITONE.—Dealers' prices are very keen: two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb., ex store, London.

BENZOIC ACID (B.P.).—Market is steady: quantities, ex works, 1s. 9d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BISMUTH SALTS.—With the increase of 3d. per lb. for the metal notified this week, makers of the salts have advanced their home trade prices, as follows. (It will be noted that CARBONATE remains at former prices for the time being.)

	Net Monthly Account			Net 14 days	
	under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt.*
Carbonate ...	s. d. 8 6	s. d. 8 0	s. d. 7 3	s. d. 6 9	s. d. 6 6
(Home Trade only)					
Citrate ...	11 10	11 4	10 7	10 1	9 10
Nitrate Cryst. ...	6 8	6 2	5 5	4 11	4 8
Oxide ...	12 11	12 5	11 8	11 2	10 11
Salicylate ...	10 0	9 6	8 9	8 3	8 0
Subchloride ...	12 8	12 2	11 5	10 11	10 8
Subgallate ...	9 8	9 2	8 5	7 11	7 8
Subnitrate ...	7 10	7 4	6 7	6 1	5 10

\* Contracts are booked for 1 cwt. and upwards for delivery over three months and are subject to a rise and fall clause. A rebate of 3d. per lb. is allowed on sales of not less than 2 cwt. (assorted if required) provided delivery is completed within three months. All deliveries ex contract are sold on net cash 14 days' terms.

BUTYL CHLORAL HYDRATE.—Business quiet: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10d.; one cwt., 9s. 0½d.; 56 lb., 9s. 2½d.; less than 56 lb., 9s. 4½d. per lb. Citrate, two cwt., 5s. 11½d.; one cwt., 6s. 0½d.; 56 lb., 6s. 1½d.; less than 56 lb., 6s. 2½d. per lb. Soda sal., two cwt., 6s. 2½d.; one cwt., 6s. 3d.; 56 lb., 6s. 4½d.; less than 56 lb., 6s. 5½d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

CALCIUM LACTATE.—Fair amount of small business: one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Home makers' scale of prices steady: duty-paid crystals in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb., 28-lb. jars one penny per lb. extra.

CHLOROFORM.—Makers' prices steady: two cwt., 2s. 5½d. per lb.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums ½d. per lb. less. Small bottles extra, from



5d. per lb. for 1-lb. bottles to 1d. per lb. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

**CITRIC ACID (B.P. CRYSTALS).**—Quoted unchanged: British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

**COCAINE.**—British makers' prices for wholesale bulk quantities are quoted as follows:—HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz.; 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows:—HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to resell any quantity at below the scale price for such quantity current at the time of resale. Export prices vary according to destination.

**CREAM OF TARTAR.**—Market is steady: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

**CREOSOTE (B.P.).**—Market is quiet: bulk quantities, in 25-kilo demijohns, 1s. 6d.; small parcels, 1s. 7d. to 1s. 10½d. per lb., ex store.

**EPHEDRINE.**—The demand remains very quiet so far as bulk quantities are concerned. Makers are now quoting Hydrochloride, B.P., 9s. 6d. to 10s. per oz. Pure alkaloid, about 14s. 6d. per oz.

**GALLIC ACID.**—Average business on spot: one cwt., 3s.; 56 lb., 3s. 1d.; smaller quantities, up to 3s. 6d. per lb., ex store.

**GLYCERIN (B.P.).**—Makers' prices have been reduced 10s. per cwt. for home trade as from April 25.

Price per cwt.

Contracts or Spot Lots of	Under 1 cwt.	1 cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt. and under 20 cwt.	1 ton and under 5 tons
Minimum deliveries off contract of	...	1 cwt.	1 cwt.	1 cwt.	2 cwt.	5 cwt.
Tins, 14 lb. each per cwt.	102/6	98/-	97/-	94/-	93/-	89/-
Tins, 28 lb. " " "	99/6	95/6	94/6	91/6	90/6	86/6
Tins, 56 lb. " " "	96/6	93/-	92/-	89/-	88/-	84/-
Drums, 1 cwt. (charged 20/-)	—	88/6	87/6	84/6	83/6	79/6
Drums, 2½ cwt. (charged 60/-)	—	—	85/6	82/6	81/6	77/6
Drums, 5 cwt. (charged 75/-)	—	—	—	82/-	81/-	77/-
Drums, 10 cwt. (charged 100/-)	—	—	—	—	80/6	76/6
Extra per cwt. for smaller deliveries	5 cwt. and under 10 cwt. ...	—	—	—	—	—
	2 cwt. and under 5 cwt. ...	—	—	—	—	6d.
ex contract than as above specified.	1 cwt. and under 2 cwt. ...	—	—	—	6d.	1/-
	Under 1 cwt. ...	1/-	1/-	1/-	1/6	2/-

Refined Pale Straw Industrial Glycerin. 1260 S.G. 5/- per cwt. less than chemically pure

**LACTIC ACID (B.P.).**—Market continues steady: quantities in carboys, 1s. 4½d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10½d. per lb., as to quantity.

**MERCURIALS.**—Makers' prices continue unchanged.

	Less than 28 lb.	Not less than 28 lb.	Not less than 112 lb.
Anomiated Lump B.P. (White Precip.) ...	s. d.	s. d.	s. d.
... Powder B.P. ...	5 10	5 6	5 5
... Bichloride Lump B.P. (Corros. Sub.) ...	6 0	5 8	5 7
... Powder B.P. ...	5 1	4 9	4 8
... Chloride B.P. Calomel ...	4 9	4 5	4 4
... Red Oxide Cryst. B.P.C. (Red Precip.) ...	5 10	5 6	5 5
... Levig. B.P.C. ...	6 11	6 7	6 6
... Yellow Oxide B.P. ...	6 5	6 1	6 0
... Persulphate White ...	6 3	5 11	5 10
... Sulphide Black (Hyd. Sulph. cum. Sulph. 50%) ...	6 0	5 8	5 7
	5 11	5 7	5 6

Net.—Without engagement. Special prices for larger quantities and for contracts. Assorted salts at bulk quantity prices.

**METHYL SALICYLATE.**—Quoted unchanged, market quiet: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

**METHYL SULPHONAL.**—Dull and competitive: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, up to 20s. 8d. per lb.

**PARAFORMALDEHYDE.**—Business is quiet: 100 per cent. powder, quantities in kegs, 1s. 1d.; smaller parcels, 1s. 4½d. per lb., as to quantity.

**PARALDEHYDE.**—Quoted values are unchanged: in carboys, 1s. 2d.; per lb., ex store.

**PHENACETIN.**—Remains rather quiet, quoted unchanged: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

**PHENAZONE.**—Spot quotations are very keen: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, 7s. 6d. per lb., with powder 2½d. per lb. extra.

**PHENOLPHIALEIN.**—Quoted values unchanged: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

**PHENYLETHYLBARBITURIC ACID.**—Dealers are quoting small spot parcels at about 20s. 6d. to 22s. per lb. in 2-lb. bottles.

**PHOTOGRAPHIC CHEMICALS.**—Home makers' prices continue steady. AMIDOL.—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d., in free 7-lb. tins; under 7 lb., 12s. per lb., in free 1-lb. bottles. CHLORQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d.; 3 lb., 11s. 6d.; 1-lb. bottles, 12s. 6d. per lb. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 12s. per cwt.; 28 lb., for 6s. GOLD CHLORIDE.—15-grain tubes, 45s. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENOL HYDROCHLOR.—8s. 6d. per lb. POTASSIUM FERRICYANIDE.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. POTASSIUM METABISULPHITE.—One cwt., 7½d.; 28 lb., 8d.; 14 lb., 9d.; 7 lb., 11d.; 1 lb., 1s. per lb. PYROGALLIC ACID, CRYST.—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. SODIUM (CARBONATE RECRYST.).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. SODIUM SULPHITE, RECRYST.—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

**POTASSIUM PERMANGANATE (B.P.).**—Dealers' prices are steady: bulk quantities, in drums, 9d.; druggists' parcels, from 10d. to 1s. per lb.

**POTASSIUM SULPHOGUAIACOLATE.**—Dealers' quotations steady: spot, about 6s. 1½d. to 6s. 3d. per lb., as to quantity.

**QUININE SALIS.**—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s.; hydrophosphite, 4s.; alkaloid, 3s. 0½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

**RESORCIN.**—The home makers' scale of prices is as follows: one cwt., 5s. 5d.; 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller quantities, up to 7s. per lb.

**SACCHARIN.**—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

**SALICYLIC ACID (B.P.).**—Makers' quoted prices are unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

**SALOL.**—Spot quotations are competitive; market dull: 2s. 3d. to 2s. 6d. per lb., as to quantity.

**SODIUM BENZOATE.**—Fair spot demand: bulk quantities, 1s. 6d.; smaller parcels, 1s. 7d. up to 2s. per lb., as to quantity.

**SODIUM DIETHYLBARBITURATE.**—Convention scales of prices are unchanged: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels, up to 12s. 3d. per lb.

**SODIUM SALICYLATE (B.P.).**—Makers' quoted prices are unchanged: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s.; 1 lb., 2s. 6d. per lb.

**SULPHONAL.**—Irregular on quotation, business quiet: crystals or powder, two cwt., 15s. 5d.; one cwt., 15s. 11d.; 56 lb., 16s. 10d.; smaller parcels, up to 16s. 7½d. per lb.

**TARTARIC ACID (B.P. CRYSTALS).**—Fair business, market steady: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

**THEOBROMINE.**—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3½d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5½d.; smaller quantities, 6s. 6½d. per lb., delivered, 5-lb. tins free; smaller packages extra.

**THYMOL.**—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

**VANILLIN.**—Convention prices are steady: five cwt., 12s. 5d.; one cwt., 12s. 8d.; 56 lb., 13s.; less than 56 lb., 13s. 2d. per lb. Rather more inquiry reported.



## Crude Drugs, etc.

**AGAR.**—Market is quiet and quoted unchanged: spot, Kobe, No. 1, 3s. to 3s. 1½d.; No. 2, 2s. 10½d. to 3s. Yokohama, No. 1, 2s. 10½d. per lb., shipment; Kobe, No. 1, April-May, 2s. 6½d.; July-August, 2s. 7½d.; No. 2, April-May, 2s. 4½d.; Yokohama, No. 1, 2s. 4½d. per lb., c.i.f. Earlier on some quotations for Kobe No. 1 were 1d. under other offers. These goods are now arriving, and it is reported the quality is unsatisfactory; they do not bear the Agar Association certificate of quality.

**ALKANET ROOT.**—Dealers are quoting small spot parcels at about 45s. per cwt., ex store.

**ALOES.**—Quite a good business in Curaçao spot; no shipment offers: Cape, spot, 63s. to 64s.; shipment, about 62s. 6d. per cwt., c.i.f. Curaçao, spot, now quoted from 138s. to 150s. per cwt., as to quality. No shipment offers from the source.

**ANNATTO SEED.**—The spot quotation is at 3½d. per lb. for Madras. The forward position is dearer at 24s. 6d. per cwt., c.i.f.

**ANTIMONY.**—Market steady, quiet: Chinese, crude, spot, £44; shipment, May-June, £37, c.i.f.; English regulus, £78 to £81 per ton, ex store.

**BALSAMS.**—Quoted unchanged: *Tolu*, 1s. 8d. to 1s. 9d.; *Canada*, small lots available at about 7s. 4½d. to 7s. 6d.; shipment, 7s. 6d.; *Copaiba*, Para, 1s. 9d.; B.P., nominal; Peru, 4s. 6d. per lb., spot.

**BELLADONNA.**—Dealers' spot prices are steady: leaves, 57s. 6d.; root, high testing, 60s. per cwt., spot.

**BISMUTH METAL.**—The price of the metal has been advanced 3d. per lb. to 4s. 3d. per lb.

**BUCHU.**—Shipment offers of new crop are at about 1s. 5d. per lb., c.i.f. Old crop, on spot, offering from 1s. 7d. to 1s. 8d. for rounds, as to quality. New crop, on spot, is available at from 1s. 8½d. per lb.

**CAMPHOR.**—Values are steady; average spot business: Japanese monopoly BB grade is £8 per 100 lb.: Japanese, natural, spot, tablets, 2s. 6½d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store; shipment, tablets, 2s. 3d.; powder, 2s. 1d.; slabs, 2s. 0½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¾ oz., 3s. 6d. per lb.

**CASCARA SAGRADA.**—Only a small routine spot trade, values steady: spot, 1937 peel, 54s. to 54s. 6d.; old peel, 65s. to 70s. per cwt., ex store. Speculative shipment offers of 1938 peel are now dearer at 44s. to 45s. per cwt., c.i.f.

**CHAMOMILES.**—Dealers are offering good white flowers at 170s.; old crop, 97s. 6d. to 110s. per cwt., ex store.

**CLOVES.**—Business remains rather quiet: Zanzibar, spot, 8½d.; shipment, April-May, 8d. per lb., c.i.f. Madagascar, in bond, 7d.; shipment, April-May, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended April 23 were 104 and the deliveries 104, leaving a stock of 1,179. From January 1 to date the landings of Zanzibar have been 835 and the deliveries 725. Landings of Madagascar for the week ended April 23 were 380, and the deliveries 200, leaving a stock of 1,495. From January 1 to date the landings of Madagascar have been 725 and the deliveries 1,320 packages.

**COCOA BUTTER.**—Market is steady: price English, 9½d. to 10½d. per lb. Foreign, 8½d. to 10d. per lb., as to quantity and quality.

**COCONUT (DESICCATED).**—Values slightly better, market steady; spot, fine, 17s. 6d.; medium, 17s. per cwt.; shipment, halves, April, 16s. 3d.; May-June, 16s. 6d. per cwt., c.i.f.

**COD-LIVER OIL.**—Bergen reports the shipment market remains quiet: finest Lofoten steam-refined non-freezing medicinal oil, 89s. to 90s. per barrel, c.i.f. London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

**COLOCYNTH.**—Spot supplies of pulp are available from 1s. to 1s. 2d. per lb., as to quality and quantity.

**ERGOT.**—The shipment market for Portuguese-Spanish is firmer this week. After moving down to about 3s. 4d., c.i.f., the lowest offer is now at 3s. 9d., c.i.f. On spot the price is in the region of 4s. per lb., ex store.

**GENTIAN.**—Good clean French root is quoted at 42s. 6d. and Continental at 38s. to 40s. per cwt., ex store.

**GINGER.**—Market quiet, with West African at low values: West African, spot, 27s. 6d.; for arrival, May-June, 22s. 6d. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 82s. 6d. to 85s.; small grinding, in bags, 60s. to 62s. 6d. per cwt., c.i.f.

**GUM ACACIA.**—This market continues dull, with values unchanged: Kordofan, cleaned sorts, spot, 40s.; shipment, 37s. per cwt., c.i.f.

**HENBANE.**—Dealers are asking about 70s. per cwt., ex store, for small spot parcels.

**HENNA.**—Not much demand about: Egyptian brown leaves, 26s. to 27s. 6d. per cwt., c.i.f.

**HONEY.**—Market is quiet, with quoted values about steady: Jamaican, dark manufacturing, 31s. up to 45s. for pale set. Californian, 50s., duty paid, and Canadian, 52s. 6d. per cwt., ex store.

**HYDRASTIS.**—Root testing, 3 per cent., is steady on spot at 15s. 3d. for small lots; untested root, 14s. 9d.; shipment, 15s. per lb., c.i.f.

**IPECACUANHA.**—Market is rather dull: Matto Grosso, B.P., spot, 7s. 6d. and possibly less; shipment, about 6s. 6d. per lb., c.i.f.

**KOLA NUTS.**—African halves on spot quoted from 2½d. to 3d. per lb., as to quality. St. Lucia halves, about 4d. per lb. for good bright quality.

**LOBELIA HEKKB.**—About steady as quoted, business limited: quoted unchanged: spot, 6½d. to 7½d.; shipment, new crop, 7½d. per lb., c.i.f.

**LYCOPodium.**—Dealers are offering spot supplies rather cheaper at about 4s. 11d. per lb.

**MANNA.**—Spot supplies of selected flake, in 1-lb. tins, are available at 3s. 9d. per lb., ex store.

**MENTHOL.**—The market has been quiet: Japanese, K/S brands, spot, 12s. 4½d. to 12s. 6d. Afloat, 10s. 9d. to 10s. 10½d. Japanese offers are restricted and held at 10s. 10d. to 11s., c.i.f., with bids down to 10s. 3d., c.i.f., ignored. Chinese, spot, 12s. 3d.; shipment, 10s. 9d. per lb., c.i.f.

**MERCURY.**—Shipment quotations for Spanish-Italian continue at the reduction notified last week: spot, £12 10s. to £12 10s. 6d. per bottle, ex store. F.O.B. Continent, 62 dollars.

**PEPPER.**—Market quiet, but steady: Lampong, in bond, 2½d.; shipment, May-July, 2½d.; August-October, 2½d., c.i.f. Tellicherry, spot, 4d.; shipment, May-June, 3s., c.i.f. Aleppy, spot, 3½d.; shipment, May-June, 3s., c.i.f. White Muntok, in bond, 3½d.; shipment, May-July, 3½d.; August-October, 3½d., c.i.f. London Terminal Market, Black, May, 2½d.; July, 2½d.; October, 2½d. White, May, 3½d.; July, 4d.; October, 4½d. per lb.

**PIMENTO.**—Market is steady: spot, 7½d. per lb.; shipment, April-May, 65s. per cwt., c.i.f.

**RHUBARB.**—Rather quiet, with spot values keeping steady: spot, Shensi, best quality, 4s. 9d. to 5s. 3d.; old very slightly wormy, 3s. 9d. to 4s. 3d.; pickings, about 4s. per lb.; rough round, 2s. 4½d. to 2s. 7d. per lb., as to quality; shipment, ordinary quality, 1s. 11d. per lb., c.i.f.

**RUBBER.**—Values are easier on the week, business moderate: standard ribbed smoked sheet, spot, 5½d.; May, 5½d.; June, 5½d.; July-September, 5½d.; October-December, 5½d.

**SAFFRON.**—Spot supplies of genuine Valencia continues very short and are held for 80s. to 82s. 6d. per lb., ex store. No reliable shipment offers.

**SEEDS.**—ANISE.—Spot, duty, paid, Spanish, 64s.; Bulgarian, 42s.; Syrian, 41s. CANARY.—All prices quoted are duty paid: Mazagan, 18s.; Plate, 17s.; Turkish, 17s. 6d.; Morocco, 17s. 3d.; Spanish, 25s. to 37s. 6d. CARAWAY.—Dutch, on spot, 33s., duty paid, and 28s. 6d., f.o.b. Holland. CORIANDER.—Morocco, on spot, now offered at 20s. 6d., duty paid. New crop for June-July shipment is quoted at 15s. 6d., c.i.f. CUMIN.—Spot, Malta, 40s., duty free; Morocco, 37s. 6d., duty paid, and 33s. 6d., in bond. FENNEL.—Indian, on spot, is 25s. FENUGREEK.—Morocco is 13s. 6d., spot, duty paid.

MUSTARD.—English, 20s. to 32s., according to quality.

**SENEGA.**—Not much life in this market, but values are keeping steady: spot, 2s. 4d. to 2s. 5d.; shipment, prompt, 2s. 4d.; new crop, August shipment, 2s. 3d. per lb., c.i.f.

**SENNA.**—Business continues on the quiet side. Tinnevely leaves.—Spot quotations for parcels of fair green colours are as follows: No. 1 at 5½d.; No. 2 at 3½d.; No. 3 at 2½d.; No. 4 at 2½d. per lb., ex wharf. Tinnevely hand-picked pods.—Best pale quality is quoted at 6d. per lb., with darker grades available at 3½d. to 4d. per lb. Alexandrian hand-picked pods.—Arrivals of new crop pods still continue on the small side and the market is poorly supplied; quotations are as follows: good bold selected at 5s. 6d.; No. 1 at 4s.; No. 2 at 3s.; No. 3 at 2s. 3d. per lb., with old crop pods offering at 3s. 3d. down to 1s., according to quality.

**SHELLAC.**—Values level on the week, market about steady: spot, standard TN orange, 40s. to 43s.; fine orange, 57s. 6d. to 110s.; pure button, 55s. to 60s. per cwt. For delivery, TN, May, 39s.; August, 41s.; October, 41s. 6d. For arrival, TN, May-June, 38s. per cwt., c.i.f.

**TOKKA BEANS.**—Market quiet, quoted values steady: fair frosted Para beans at 3s. 4d. to 3s. 5d. per lb., ex store.

**TRAGACANTH.**—A moderate inquiry for medium white grades. Values for all classes of gum continue steady at former figures.

**TURMERIC.**—Spot supplies of Madras short. Crop reported late, with shippers with outstanding contracts asking for extension of time. Madras finger, spot, 29s.; shipment, new crop, 22s. per cwt., c.i.f.; Rajapore, shipment, 22s. per cwt., c.i.f.

**VALERIAN ROOT.**—Dealers are quoting spot supplies at 35s. per cwt., ex store.

**WAXES.**—BEES'.—Not much business moving. Calcutta, bleached, spot, 132s. 6d.; shipment, May-June, 125s., c.i.f.; ordinary quality, spot, 107s.; shipment, May-June, 102s. 6d. per cwt., c.i.f. Benguella, in bond, 102s. 6d.; shipment, May-June, 90s., c.i.f. Conakry, spot, 102s. 6d.; shipment, May-June, 90s., c.i.f. Dar-es-Salaam, spot, 107s. 6d.; shipment, May-June, 110s., c.i.f. CARNAUBA.—Shipment quotations are easier: fatty, grey, spot, 147s. 6d.; afloat, 140s.; shipment, May-June, 137s. 6d., c.i.f. Chalky, grey, spot, 147s. 6d.; afloat, 140s.; shipment, May-June, 137s. 6d., c.i.f. Primeira, spot, good quality, 195s.; afloat, 180s.; shipment, May-June, 167s. 6d., c.i.f. Medina, spot, 185s.; shipment, 170s. per cwt., c.i.f.



## Essential and Expressed Oils, etc.

A MODERATE business, mostly for limited quantities on spot, is reported. Quoted values are keeping fairly steady. Shipment business in Sicilian hand-pressed lemon is quiet.

**ALMOND.**—Quiet, with quantities at keen prices: English made, cwt. lots, 2s. 8d.; smaller parcels, up to 3s. per lb.; foreign, cwt. lots, 2s. 8d.; smaller parcels, up to 3s. per lb.; French bitter, 6s. to 6s. 3d. per lb.

**ANISE (STAR).**—Business quiet and competitive on spot; shipment market dull: spot, leads, 4s. 4½d.; tins, 3s. 11d. to 4s.; drums, 3s. 10d. per lb., ex store; shipment, tins, 3s. 3½d.; drums, 3s. 2d. per lb., c.i.f.

**AVOCADO PEAR.**—Californian oil continues to be quoted from 47s. to 54s. per gallon, as to quantity, ex store.

**BERGAMOT.**—The Consortium shipment market continues steady and unchanged at about 14s. 9d. per lb., c.i.f.; spot prices for new crop genuine oil range from 15s. to 15s. 4½d. per lb., with blended oils at cheaper prices.

**BOIS DE ROSE.**—Occasional spot inquiry: Brazilian oil at about 5s. 6d. in drums, and smaller quantities up to 6s. 3d. per lb.

**CAJUPUT.**—Quotations for good quality oil are steady: B.P., 2s. to 2s. 4d. per lb., as to quantity, ex store.

**CANANGA.**—Continues in quiet demand on a keen market: spot, about 5s. 1½d., with smaller parcels up to 5s. 6d. per lb.; shipment, 4s. 8d. per lb., c.i.f.

**CARAWAY.**—Market is steady, with a limited inquiry being received: Dutch rectified, 7s. 3d. to 7s. 6d.; crude, 6s. 9d. to 7s. per lb., landed and duty paid, as to quantity.

**CASSIA.**—Values about steady, business remains quiet: spot, good quality, in leads, 3s. 5d.; off quality, 3s. 1½d. to 3s. 3d.; shipment, leads, 3s. 1d.; drums, 2s. 11d. per lb., c.i.f.

**CEDARWOOD.**—Quotations are unchanged, business quiet: African, in drums, 11½d.; smaller packages, up to 1s. 3d. per lb. American, in drums, 11½d.; smaller packages, up to 1s. 3d. per lb.

**CINNAMON LEAF.**—Ceylon oil is quoted for shipment at about 2s. 5d., c.i.f., in drums.

**CITRONELLA.**—Quotations nominally unchanged, market neglected: Ceylon, spot, drums, 5½d. to 1s. 6d.; smaller parcels, up to 1s. 9d.; shipment, drums, 1s. 3½d. per lb., c.i.f. Java, spot, drums, 1s. 11d. to 2s.; smaller parcels, up to 2s. 3d.; shipment, drums, about 1s. 5½d. per lb., c.i.f.

**CLOVE.**—Except for small spot business, market is quiet: Madagascar, spot, 3s. 3d. per lb. for small parcels up to 3s. 9d. per lb.; shipment, about 2s. 5d., c.i.f. English, distilled, 4s. 7½d. to 4s. 10½d. per lb., as to quantity.

**EUCALYPTUS.**—Keen spot offers, but the demand is slow: Australian, 70 to 75 per cent., tins, 1s. 5d. to 1s. 5½d.; drums, 1s. 4d.; 80 to 85 per cent., drums, 1s. 9d. per lb., landed; higher prices for small lots on spot. Shipment, 70 to 75 per cent., tins, 1s. 3½d.; drums, 1s. 2½d.; 80 to 85 per cent., 1s. 6½d. per lb., c.i.f.

**GRAPE-FRUIT.**—Some limited spot inquiry, quoted unchanged: Californian, 10s. 6d. to 12s. Florida, 10s. 6d. to 11s. 3d. per lb., as to quantity.

**HO (SHU).**—Spot oil is steadier, with supplies of good oil stated to be limited: "improved" quality, in drums, 4s.; "extra" quality, 4s. 3d., in drums; shipment, "extra" quality, 3s. 11½d. per lb., c.i.f., in drums.

**JUNIPER BERRY.**—Small routine trade; quoted according to quality and quantity from 3s. 3d. to 4s. per lb.

**LAVENDER.**—Small spot business only recorded: 38 to 40 per cent. oil ranging from 14s. 6d. to 16s. per lb., as to quantity. Lavandin is quoted on spot from 6s. 6d. to 8s. per lb., as to quantity.

**LEMON.**—Interest in the shipment market has been rather quiet, with new crop hand-pressed Sicilian offering from 9s. 6d. to 10s. per lb., c.i.f., as to brand and quantity. A fair amount of smallest spot business reported, with prices ranging from 9s. 3d. to 10s. 3d. per lb., as to brand and quantity. Californian distilled, regular quality, 6s. 4d. per lb., landed, in small drums.

**LEMONGRASS.**—Market is practically idle so far as shipment business is concerned: quoted at about 1s. 6d. per lb., c.i.f.; spot, sellers from 1s. 9d. to 1s. 10½d. per lb., ex store.

**LIME.**—Spot West Indian distilled is unchanged as quoted at 25s. to 26s. 6d. per lb., ex store, with a moderate demand reported.

**MANDARIN.**—Market remains quiet: finest quality oil at about 20s. to 21s., c.i.f., with other qualities from 18s. 6d. per lb., c.i.f.

**NUTMEG.**—American and Dutch oils are quoted at about 5s. 6d. to 5s. 7½d. per lb., as to quantity.

**OLIVE.**—Business on a fair scale, with values maintained: 1 per cent., 5s. 8d.; 2 per cent., 5s. 6d. per gallon in 45/50-gallon drums. French, edible quality, 73s. 6d. for cases of 10 one-gallon tins and 77s. 6d. for 20 half-gallon tins; 6s. per gallon in 50-gallon drums.

**ORANGE.**—The demand for French Guinea new crop oil on spot still seems to be quiet and keen prices are noted in some quarters, but the quality of the cheap oils is not known: drums, 3s. 3d. to 3s. 5d.; repacked tins in cases, 3s. 5d. to 3s. 9d. per lb., as to

quantity. The shipment quotation is nominal at 2s. 10½d. per lb., c.i.f., in drums. Californian, spot, one case, 4s. 6d.; two or more cases, 4s. 3½d.; large drums, not quoted; small drums, 4s. 2d. per lb., landed.

**PALMAROSA.**—The limited shipment offers from the source are steady from 7s. to 7s. 3d., c.i.f., and it might be difficult to place orders at the lower figure. On spot the price suggested is 8s. 3d. upwards, but we understand there is at the moment a seller at 8s., ex store.

**PEPPERMINT.**—Business has been quiet: spot, 4s. 4½d. to 4s. 6d.; near float oil, 4s. 1½d., c.i.f.; business done with sellers now wanting 4s. 2d. to 4s. 3d., c.i.f. Japanese shippers quote May/June at 4s. 2½d. per lb., c.i.f. American natural oil, in drums, is dull; shipment is reported barely steady at 2 dollars to 2 dollars 10 cents per lb., c.i.f., as to brand.

**PEITIGRAIN.**—Shipment market is reported to be steadier: spot, cases, 4s.; shipment, 3s. 4½d. per lb., c.i.f.

**RAISIN SEED.**—Spot supplies of Californian are quoted from 2s. 4d. to 2s. 6d. per lb., ex store, according to quantity.

**ROSEMARY.**—Spot holders are quoting genuine Spanish oil from 3s. up to 3s. 7½d. per lb., as to quality and quantity. No shipment offers from the source.

**SANDALWOOD.**—Genuine East Indian Mysore, in one-case lots, continues steady at 20s. 6d. per lb. Genuine East Indian, produced outside the province of Mysore, 18s. 3d. to 18s. 6d. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb., for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

**SASSAFRAS.**—Usual small spot trade moving: quoted at 3s. 6d. up to 4s. per lb. for the finest genuine American oil. Other oils at cheaper prices.

**SPEARMINT.**—U.S.P. oil, spot, 8s. 3d.; shipment, 7s. 6d. per lb., c.i.f. Other quality oils at cheaper prices.

**SPIKE.**—A quiet demand is reported, with holders of genuine Spanish oils quoting from 5s. 6d. to 6s. per lb. Blended oils at cheaper prices. No shipment offers.

**WORMSEED.**—Occasional inquiry, with values steady: U.S.P. oil, spot, 11s. to 11s. 3d.; shipment, about 10s. 6d. per lb., c.i.f.

## WORLD MINERAL INDUSTRIES—No. 18

## Talc

The following table of world production is given in a Statistical Summary of production and exports of the world's mineral industries, published by the Imperial Institute, London, S.W.1 (price 7s. 6d.):—

Producing Country	1934	1935	1936
<b>BRITISH EMPIRE</b>			
Union of South Africa ... ..	Tons 215	Tons 299	Tons 406
Canada (sales) (c) ... ..	12,463	12,324	12,954
India ... ..	9,375	12,596	9,968
Australia ... ..	1,739	1,442	1,502
<b>FOREIGN COUNTRIES</b>			
Austria ... ..	30,188	30,254	30,000
Bulgaria ... ..	15	15	—
Finland ... ..	1,561	2,150	(a)
France ... ..	67,800	58,600	(a)
Germany (Bavaria) ... ..	6,824	3,900	5,009
Greece ... ..	116	543	(a)
Italy ... ..	37,042	41,014	43,226
Norway ... ..	27,285	27,343	(a)
Roumania ... ..	1,902	1,966	2,489
Spain (b) ... ..	10,750	(a)	(a)
Sweden ... ..	6,398	5,967	7,933
Egypt ... ..	2,562	360	345
Morocco (French) (exports) ... ..	776	709	1,346
United States (sales) ... ..	123,665	154,211	193,028
Argentina ... ..	42	173	(a)
Uruguay (exports) ... ..	2,595	1,181	704
(c) China ... ..	3,000	(a)	(a)
French Indo-China ... ..	—	—	670
Manchukuo ... ..	64,000	70,000	(a)

Talc is also produced in U.S.S.R.

(a) Information not available.

(b) In addition 2,590 cubic yards were quarried during 1934.

(c) Excluding soapstone, which is only recorded by value and was as follows:—

1934	£8,900
1935	£6,500
1936	£6,600



# Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

## Information on Dispensing Service

SIR,—I am endeavouring to collect and collate all available information concerning the method by which local associations, etc., deal with dispensing services carried out for official bodies outside the provisions of the N.H.I. Acts, viz., P.A.C. medical relief dispensing, also the method adopted for the supply of medical requirements such as foods, dressings, etc., to necessitous persons receiving assistance from Public Health Authorities. I shall be glad if you will allow me to appeal through your columns to all secretaries in areas undertaking such services to assist me by letting me have particulars of their local arrangements. The information, when collated, will be available for reference by any secretary who is desirous of using same. All communications will be gratefully acknowledged.

Yours faithfully,

J. S. WALMSLEY,

Honorary Secretary,

Bolton and District Pharmaceutical Association.

32 Manor Street, Bolton.

## Pharmaceutical Council Election

SIR,—I read with interest and, if I may say so, approval your leading article on the Council election. It is clear that a Society consisting of some 24,000 conscripts and with an annual income of well over £100,000 is quite a different concern from one composed of say six thousand volunteers and with an income of five figures instead of six. My statistics may be wrong, but my point is that when I first joined the Society the funds at its disposal were a very long way below what they are to-day, and there was not so much need then as there is now for members to keep a watchful eye on those who administer the funds. What surprises me is that so few of the members of the Society make use of their votes, and I think your clear statement that the income "has now reached the enormous total of £120,000" will result in a much larger poll than there has ever been. Obviously the best men available should be selected to deal with this big income, and personally I do not see why we should object to any candidate for the sole reason that he has had experience outside retail business. On the contrary, the wider the experience the better. Provided the election addresses of the seven retiring candidates show a determination to spend the money wisely, maintain the standard of pharmacy and fight against hostile interests, I shall vote for all of them. I am not necessarily suggesting that others should do the same, but I do suggest that every member of the Society should use his votes and use them thoughtfully.—Yours faithfully,

J. GRIEVE.

St. Albans.

SIR,—I should like to thank Mr. Hawkins and Mr. Heap for their replies to my letter (C. & D., April 23, p. 487). I am a pharmacist, but when Mr. Heap says it is difficult to appreciate my attitude I feel he has mistaken entirely what I intended to convey. While in complete agreement with the desire of achieving pharmacy for the pharmacist, I feel at the same time that it is foolish not to face facts, and until present conditions are radically altered I consider that aim to be a long way from fulfilment. There are still many doctors who do their own dispensing for private patients with no intention of relinquishing that practice, though what their attitude would be if the Insurance benefits were extended to dependents and others we cannot tell until such time as a new scheme comes into force. Until then this dispensing by doctors remains one obstacle to be removed before the pharmacist can become the sole master of his own profession. Although the large hospitals employ pharmacists, there are the many smaller ones and other institutions which do not, but only employ unqualified dispensers under medical supervision. To carry out the meaning of pharmacy for the pharmacist to its logical conclusion would mean the reservation of the sale of all drugs and medicines of any kind to pharmacists, a step which in this country would seem to have little chance of being brought about. As regards Mr. Heap's supposed Council candidate, to restrict

election to those who meticulously fill the requirements of the *questionnaire* would be to eliminate every person who even held a few shares in some company which produced goods the sales of which are not limited to pharmacists. One might ask how many persons would be eligible for seats on the Council if this requirement were compulsory, always remembering that the majority of members cannot aspire to this honour because of their inability to leave their pharmacies for the time required to attend to the Council duties. If the term "outsiders" is intended to mean the general public, I do not think they are sufficiently interested in pharmaceutical politics to take any notice of the aims and opinions of pharmacists, but if it is meant to apply to manufacturers, as the wording of (c) seems to suggest, then they probably know more about the trading side of pharmacy than we do ourselves, and can be trusted to draw their own conclusions.—Yours faithfully,

QUESTOR (24/4).

## The Benzamine Question

SIR,—Will you allow me to correct a very misleading error occurring in the editorial columns of your issue dated April 16? I refer to the paragraph headed "The Benzamine Question," in which is stated "... the following quotation from Perkin and Kipping's 'Organic Chemistry' (1911 edition, p. 528) exemplifies the fallacy of regarding pyridine (piperidine) as an amine ...". The quotation does indeed show that pyridine is a tertiary amine (or, as your article put it, base), but in view of the fact that piperidine is not pyridine, any digression into the nature of aromatic bases is entirely irrelevant to the subject under discussion. It should be clearly understood that the addition of six hydrogen atoms to the pyridine ring produces a very different compound; piperidine is not, in fact, an aromatic base but an alicyclic one. Therefore, since benzamine is a derivative of piperidine and not of pyridine, the position might be made clearer by quoting the above authority on piperidine. Page 509 (1931 edition) contains the following: "Piperidine behaves like a secondary amine towards nitrous acid, ... like secondary amines, moreover, it reacts with methyl iodide, giving *N*-methylpiperidine hydriodide, and with acid chlorides giving substituted amides. ..." That piperidine is a secondary amine no one with any knowledge of organic chemistry would care to dispute, and the conclusion that benzamine is an amino-alcohol esterified with benzoic acid is, in my opinion, quite unequivocal.—Yours, etc.

C. QUENNEL, B.Sc., B.Pharm., Ph.C.

Northampton.

[The quotation above would not be necessary if Perkin and Kipping had regarded piperidine as a secondary amine, which is substantiated by pointing out the fact that it "behaves" as such. Furthermore, the above letter makes a second assumption in regard to the nature of an amino-alcohol. Hydroxy-substitution products of ring hydrocarbons cannot be classed with alcohols unless the substitution occurs in the side chain. An amino-alcohol requires the substituent OH and NH<sub>2</sub> (or NHR or NR<sub>2</sub>) groups to be also in the same side chain and not be attached to and form part of a heterocyclic ring as is the case with piperidine. See also p. 504.—EDITOR.]

## The Spate of Commercial Travellers

SIR,—It would appear that among the necessary evils of this world commercial travellers are fairly prominent. It also seems that there are also not a few chemists among them. One is prepared to admit that there are many chemists who have a real sense of sympathy for the "men on the road," and who learn much from the information gleaned from their conversation with such travellers, but unfortunately there are "others." With market days, half days and various other excuses for not doing business, the chemist with ordinary intellect would appreciate the difficulty of endeavouring to give service, which is the sad lot of the so-called "order-taker." But the real trouble is that the average chemist feels obliged to load his shelves with some 3,000 different lines, which he is prepared to hand over to purchasers. He seldom makes an effort to effect a sale, and should any unfortunate commercial traveller representing any of the above 3,000 or more lines venture to seek an interview, he is not only surprised, but



even annoyed, at such an interruption. The remedy is really in his own hands. Either he must resolve to reduce the variety of his own stocks, and incidentally cease to be an "order-taker" himself, or he must be prepared to receive—as politely as possible—as many travellers as may happen to grace him with their attention.—Yours faithfully,

S. X. (22/4).

SIR,—I have read with interest the correspondence on the subject of commercial travellers (*C. & D.*, April 23, p. 488). Personally, I have never envied their lot, which is perhaps one reason why I always endeavour to show them as much consideration as possible. In these days of fierce competition it must be pretty hard work for the representative of a firm whose name is not well established. I imagine that a succession of calls with little or no result must be very depressing and discouraging, especially when refusals are not accompanied by polite regrets. Whereas in those spacious pre-war years one or two famous firms in each department of pharmaceutical wholesale trading held the field, the multiplicity nowadays is bewildering. The result is that the average commercial is no longer a dignified ambassador but is, of necessity, a man who must exert every effort and offer every possible inducement to secure an order. At the same time, there is also the chemist's side of the story. No matter how friendly one may be towards the traveller, it is obviously impossible to place orders with every one. Three or four sundries men in one day, for example, will test even the most considerate of chemists. Toilet and fancy goods firms, too, are so numerous that to stock all the admittedly attractive ranges offered would require premises much larger than the average pharmacy. The traveller's job is to sell his goods, but the chemist must cultivate a sense of discrimination in buying. There may be many reasons for refusing to stock a new product, and surely the chemist, who has studied his customers and his district, perhaps for many years, is qualified to judge the possibilities of anything new. Another question which I have sometimes considered is that of advice cards. The practice of sending these seems to have been discontinued by some firms, with the result that when the traveller arrives unexpectedly he must either call back in order to give the chemist time to look over his stock or must be content with such items as may be on the list for immediate attention. In general, it may safely be suggested that travellers who call after tea or during that last rush hour on early closing day cannot expect to receive much attention. As to Saturday calls, I do not think such a plan would be successful; indeed, I can visualise the traveller who is qualified being hauled behind the counter or dispensing screen to lend a helping hand.—Yours faithfully,

COUNTRY CHEMIST (23/4).

### Reservation of Dispensing

SIR,—It may be true that we are within measurable distance of the time when we should introduce a Bill in which dispensing would be reserved for the pharmacist (*C. & D.*, April 9, p. 410), but can we picture what the future conditions would be like if such a Bill could be passed into law? "Pharmacy for the pharmacist" is a well-worn slogan, but how many of those who have used it have stopped to consider what it would imply? By the time such an Act could come into force we might well anticipate that the promised extension of Insurance benefits to dependents will have been accomplished, and we can also be fairly sure that we shall be expected to contract for the extra work on the same or similar terms as the present tariff rates. Will the panel chemists be strong enough, or sufficiently united, before then to secure a remuneration on a profitable basis? If not, pharmacy for the pharmacist will prove to be an empty blessing. It is also almost a certainty that in return for the reservation of dispensing chemists will be required to relinquish any form of counter prescribing. Then there would have to be a twenty-four hour service. As in these days the tendency is for chemists to live away from their premises, turning them into lock-up shops, this would mean organising a rota service with a qualified man on night duty, or else perhaps the institution of a central pharmacy open day and night, with alternating duties for the staff. The chemist who owned the only pharmacy in an isolated area would have to be permanently on duty, although he might not get so many late calls as might be expected in more congested districts. There would have to be some alteration in the lay-out of the interior of the pharmacy, with a good deal more space devoted to the dispensing department.—Yours faithfully,

PHARMACAL (8/4).

## Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

*E.M.W. (Malta) (22/4).*—**MARBLING OF PAPER EDGES.**—Provide a wooden trough two inches deep and of any desired length and width. Boil a small quantity of linseed and water until a thick mucilage is formed, strain into the trough and allow to cool. Grind the required colour to a fine powder and for each colour take two containers, one for the colour, the other to mix it with ox gall, which is used to thin the colours as required. If too much gall is used, the colours will spread. The colours are successively sprinkled on the surface of the mucilage with a brush and drawn about with a stirrer as required. When the design is formed, sheets of paper are tied tightly between boards of the same size, and the edges lightly pressed on to the surface of the mucilage, and then withdrawn and dried. The following colours are used in this process: *Blue*—Prussian blue or indigo; *Red*—rose pink or vermillion; *Yellow*—yellow ochre; *Black*—burnt ivory or lamp black; *Brown*—burnt amber or burnt sienna. Green, orange and purple shades can be obtained from suitable mixtures of red, yellow and blue colourings.

*G. & S. (22/4).*—**REMOVING INK STAINS.**—There are several solutions which are used for ink stain removers, and you will probably be able to select a suitable one from the following: (1) Stains produced by iron gallate ink often disappear on the application of dilute hydrochloric acid. (2) A five per cent. solution of acetic acid is first applied to the stain and then followed by a ten per cent. solution of oxalic or tartaric acid. (3) A solution of chlorinated soda. (4) A weak solution of potassium permanganate acidified with a little sulphuric acid is first applied to the stain, then followed by a weak solution of hydrogen peroxide, similarly acidified. As some ink eradicators bleach certain dyed materials, it would be advisable first to test a small portion of the cloth with the solution you decide to use.

*C. E. R. (9/4).*—**MAGNESIA MIXTURE.**—One of the most suitable formulas for this preparation is that given in the B.P. 1932. The strength of the magnesium hydroxide in your finished product could be adjusted by varying the proportions of the constituents in the formula and, if necessary, the mixture could be flavoured with peppermint or ginger and sweetened with saccharin.

*C. A. (25/4).*—**BOG SPAVIN.**—Bog spavin is common in young horses with straight or upright hocks. Lameness is not often present unless the part is bruised or injured. Sometimes blistering is used to reduce the swelling, but as your customer wishes to show the foal in May, it would perhaps be advisable not to adopt this course at the moment. In young horses having only a moderate-sized bog spavin, painting with iodine and massage will reduce the swelling, but not completely remove it.

## Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," April 28, 1888

### The Physician absorbs the Pharmacist

The pitiful picture which Mr. Kinninmont drew in Edinburgh a fortnight ago of the prospects of Scottish pharmacy, in the event of the Pharmacy Acts Amendment Bill becoming law, was a somewhat staggering prospective climax to the hopes of those who believe that a pharmaceutical curriculum will be the saving of the drug trade. "The Bill," he said, "simply meant for Glasgow and all like cities a great depression in legitimate trade. It would make the trade too expensive for the remuneration that was to be had in pharmacy. The result would be that the medical men would be everywhere and the chemist nowhere—in fact, the latter would have no *locus standi*. In Glasgow there were three medical men for one chemist, and by and by there might be six—in fact, their profession was being squeezed out owing to the competition of medical men and the competition of stores." Glasgow is undoubtedly peculiarly situated and, as it rightly claims to be the second city in the kingdom, its position as regards pharmacy is worthy the attention of pharmaceutical legislators.



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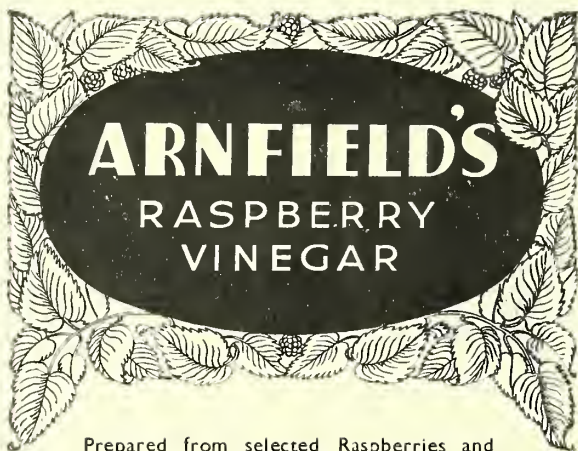
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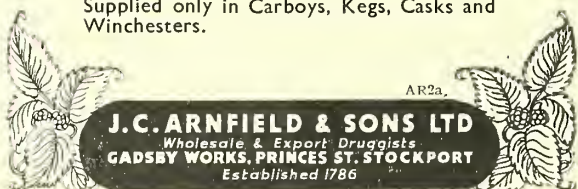
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PHARMACEUTICAL CHEMICALS & PREPARATIONS

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Goods covered by Dangerous Drugs Acts offered subject to all regulations

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Send your Enquiries to the  
SOLE IMPORTING BUYERS for the WORLD  
of the production of Quicksilver  
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### EPSOM SALTS

Commercial and B.P. Qualities  
also Powdered

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### Zinc Sulphate

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Fused, Granulated and Liquid

WILLIAM  
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CHURCH  
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### Hyposulphite of Soda

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A list of our general Technical  
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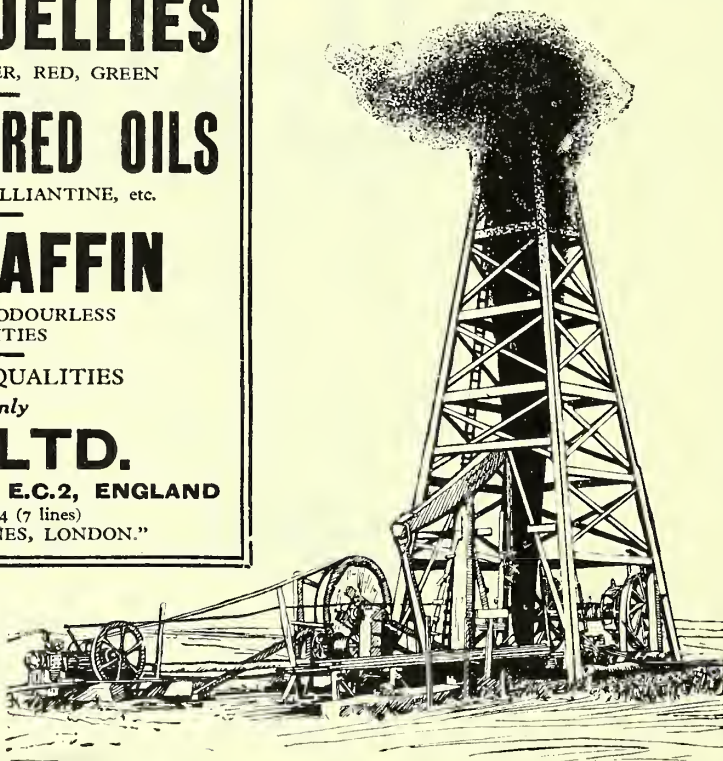
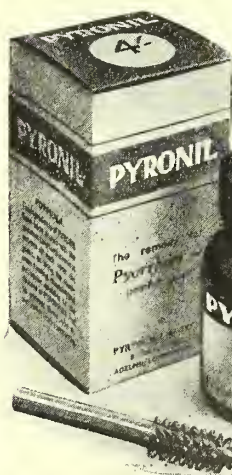
**LIQUID PARAFFIN**COLOURLESS, TASTELESS, ODOURLESS  
ALL SPECIFIC GRAVITIES

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Telephone: NATIONAL 7644 (7 lines)

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**A Profitable Line...  
PYRONIL****A REMEDY FOR  
PYORRHOEA  
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RECOMMENDED BY  
DENTISTSA specially designed  
rubber massage brush  
for the gums is a unique  
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attractive blue and  
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**4/-**Send for full details  
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to problems of manufacture. Can our  
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**KOMPO  
FOR  
COLDS****Wholesale  
Prices**1/3 Size  
11/6 per dozen net  
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**J. F. WHITE & CO., LTD., Chemists**  
BENSON STREET, LEEDS 7  
Counter Bills free on application



**EFFERVESCENT  
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**CITRATES**

PACKED OR BULK

CONTRACTS FOR  
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MENTS AT  
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**WE** can't make you buy  
the finest Ointments  
**BUT** we can make the finest  
Ointments for you to buy

**SPUN  
A.R.P. BLEACH OINTMENT**

AS OFFICIALLY RECOMMENDED BY THE HOME OFFICE  
FOR ANTI-MUSTARD GAS TREATMENT  
A QUANTITY OF 2 oz. JARS or BULK SHOULD BE STOCKED  
BY EVERY PHARMACIST

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MELON ROAD,  
LONDON, S.E.15



**NOW** is not too soon!

Better late than never, but NOW is  
not too soon to start selling Box's Pills.

They've been earning good profits for  
a steadily growing number of Pharmacists for  
over 50 years and could be doing so for  
YOU, TO-DAY.

**BOX'S PILLS**

P.A.T.A. Retail Prices  
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Biologically Tested and Standardised

60,000 Int. Units Vit. A per gramme  
2,000 " " " D " "

**SPECIAL PRICES IN BULK**

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5 c.c. vials in cartons. 12/6 per dozen.

Bottles of 25 x 3m Capsules beautifully  
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H.L.O. Emulsion



**NEW PRODUCTS***now being advertised to the Medical Profession***IODAMELIS (Logeais)**

An organic combination of Iodine and Hamamelidin for oral administration, which is exceptionally well tolerated and does not give rise to iodism.

**THIONAIODINE (Logeais)**

A complex Iodine-Sulphur-Magnesium combination for injection in the treatment of all forms of Rheumatism.

## Packings and Prices.

			Retail.	Wholesale per doz.
IODAMELIS	-	Bottle of 25 c.c. with dropper	5/-	45/-
THIONAIODINE	A.	Ampoules of 5 c.c. box of 6	5/-	45/-
"	A.	" " 10 c.c. " " "	7/-	63/-
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THE ANGLO-FRENCH DRUG CO. LTD., 11-12 GUILFORD STREET, LONDON, W.C.1

**Dried Yeast**

Produced from the celebrated "D.C.L." pure culture Yeasts, obtainable in the following grades

1. For Fermentation or Baking Purposes
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'TOWN TALK' advertising in her favourite magazine has made her one of your most regular customers. Regular, because once she's tried 'TOWN TALK' Silver Polish she'll use no other. And remember she's not the only one, for 'TOWN TALK' Silver Polish is consistently advertised in National Daily News-

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Display these repeat order profit-bearing lines, and get your share of this increasing business.

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THE TOWN TALK POLISH CO., MANCHESTER 10

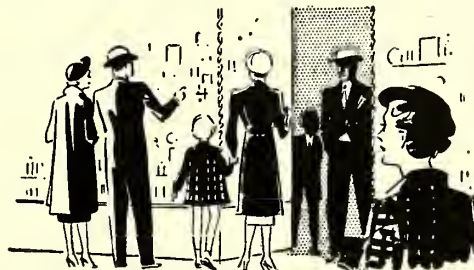


# STILL MORE WORK

# FOR THE INDIVIDUAL CHEMIST!



Yes... but when the extra spurt means more frequent ringing of the Pharmacy cash till, who is going to worry?



Certainly not the REXALL CHEMISTS of Great Britain judging by the eagerness with which they welcome suggestions that they should work harder, so long as the modern selling ideas offered them are definitely reserved to the INDIVIDUAL Establishments.

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FOR THE NEXT FEW MONTHS:—

- April 30th to May 7th

FIRSTAID SURGICAL DRESSINGS  
AND PLASTER CONCENTRATION

- May 21st to 28th

PURETEST PACKED DRUGS DISPLAY

- June 18th to 25th

REXALL SEASONABLE REMEDIES &  
SUMMER TOILET GOODS DISPLAY

All the above efforts are backed up with suitable show material, newspaper advertising, and regular retail prices will prevail.

Pharmacists (in districts not covered by a Rexall Agency) who would care to join the hard-worked Rexall fellowship should write to:—

UNITED DRUG COMPANY LIMITED, NOTTINGHAM

C.F.H.



**SULPHUR and LIME JUICE LOZENGES**  
*Purify the Blood and Clear the Complexion*

**CARTONS WINDOW DISPLAY and SHOW JAR**

**Thos. Guest & Co. Ltd.**  
CARRUTHERS STREET  
ANCOATS  
MANCHESTER

**SULPHUR and LIME JUICE LOZENGES**  
with Cream of Tartar  
*Purify the Blood and Clear the Complexion*

**SAMPLE AND PRICE ON REQUEST**

**Dr. J. Collis Browne's Chlorodyne**  
and  
**The Pharmacy and Poisons Act, 1933**

**Dr. J. Collis Browne's**  
**CHLORODYNE**

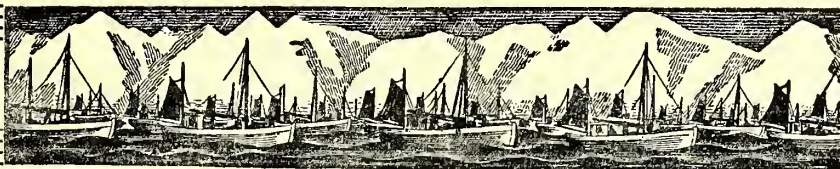
**SALE RESTRICTED TO REGISTERED CHEMISTS**

**PURCHASER'S SIGNATURE NOT REQUIRED**

**Sole Proprietors:**  
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In the Winter months constant exposure to cold and damp air puts our health to a severe test.

Recommend your customers to take Norwegian Medicinal Cod Liver Oil daily, so that they may increase their power of resistance.

Norwegian Medicinal Cod Liver Oil is Nature's own cure, and contains the important vitamins A and D in the right ratio. It is the strongest bulwark against infections

## NORWEGIAN COD LIVER OIL

World-renowned for Quality.



### THE ORIGINAL BLACK FOREST BRANDIES

#### KLOSTER KIRSCHWASSER ZWETSCHGENWASSER

Mirabells, Prunells, Currants, Spirits  
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THE MOST COMPETITIVE MANUFACTURERS IN  
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When next you are in the market for Sundries it  
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- ★ To the Assistant or Manager contemplating his own Pharmacy.
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- ★ To any Chemist requiring any shopfitting from the smallest Showcase.

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STAINLESS STEELWARE

Specialists in modern equipment for manufacturers i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals, as an economical proposition.

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Telephone : 51580 Headingley. Telegrams : Isaac Webster, Kirkstall.

**"HERNICURA" TRUSSES**  
(REGISTERED No. 254807)

**AND SURGICAL APPLIANCES  
WILL BUILD UP YOUR TRUSS TRADE**

DISTRICT SOLE RIGHTS GIVEN

*Write for Illustrated Price List to the Sole Proprietors:*

**JEFFERSON & SON**  
"HERNICURA" TRUSS & SURGICAL APPLIANCE SERVICE  
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**SURE TO SELL  
SU-CAN  
SOLUBLE**

**SANITARY TOWELS**

*Obtainable from your usual wholesaler.*  
**ROBINSON & SONS, LTD. CHESTERFIELD & 168 OLD ST., LONDON, E.C.1**



*Millions more hear about*  
**PRESTOBAND**  
the new self-adhesive bandage that sticks to itself, but not to the skin or hair

as the result of extensive advertising  
now appearing in these powerful media

**RETAIL PRICES**

1" x 4 yards - - Each 3d.  
2" x 4 yards - - " 6d.  
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Showing a generous margin of profit  
to the retailer

<b>DAILY MAIL</b>	<b>DAILY MIRROR</b>
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<b>DAILY HERALD</b>	<b>RADIO TIMES</b>

This advertising campaign, which will run for three months, will create a nation-wide interest in and demand for PRESTOBAND. It can only be to your advantage to be well stocked. Your wholesaler carries Prestoband, but if you have any difficulty—write to us.

Supplied by the Manufacturers, VERNON & CO., LTD., PRESTON, through WHOLESALE TRADE CHANNELS ONLY



*For*  
**PARTICULAR  
PEOPLE**

For use with  
Sanitary  
Towels as a  
DEODORANT  
and to pre-  
vent chafing.  
It neutralises  
body odours  
at once.

RETAIL

**1/-**

DAINTY TINS

**ORDER FROM YOUR WHOLESALE HOUSE**



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**"MATER"**

**CLINICAL** REGD.  
The position of the Mercury column is at once  
perfectly plain Red markings above 99.4.

**ALL TYPES OF  
CLINICAL  
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THERMOMETERS**

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(ESTABLISHED 1852)

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**Glass Bottles for TOILET & PERFUMERY**  
 Distinctive Bottles  
 Promote Sales  
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 FROM OUR OWN GROWERS Alexandrian & Tinnevely  
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For all grades of  
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LONDON OFFICE :  
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*The Greatest of all Rheumatic remedies*  
 A LINE THAT ONLY CHEMISTS CAN SELL  
 1/3 size, 7/-; 3/- size, 17/6; 5/- size, 25/- per doz.  
 The Acton Pill & Tablet Co. Ltd., Ash Vale, Surrey

**EACH STICK CELLOPHANE WRAPPED**  
**"CRITELLI" LIQUORICE JUICE**  
 1 oz. and 2 oz.  
 Write for samples and prices to:  
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**FENOLIN FLUID**  
 for Whooping Cough  
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ON PAT. A.  
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*indicated in all cases of*  
 RHEUMATISM  
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 Measurement charts, interesting  
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 terms gladly sent on application.  
**DOLS VOLATALISE FLANNEL LTD.**  
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Display Cards and Cartons of 1 doz. 6d. Tubes. Display Cartons  
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 APPLIED BEFORE WORK.  
**ROZALEX**  
 KEEPS HANDS CLEAN  
 PREVENTS CHAPPED HANDS  
 From wholesaler or direct. Show matter  
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**ROZALEX LTD., CROSS STREET, MANCHESTER**

Also  
**OINTMENT**  
 In Tubes  
 6d. & 1/-

**RIGHT ABOUT  
 FACE!**

6 for 6d.

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 PENN WORKS, SHEFFIELD 6



FITS ALL 3 PEG HOLDERS

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 BRITISH MADE  
**VELOSHAVE**  
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 SHOPFITTERS & SHOPFRONT BUILDERS  
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 are offering for sale, at competitive prices,  
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 Chemist's Fittings, Second-hand and New.

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**PHARMACY FITTERS for over a Century**  
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**S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations**  
 Particulars :—  
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 THIS SCHOOL NOW SPECIALISES SOLELY IN REVISION AND  
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DOG And Cat  
Foods & MEDICINES

Follow The  
**SHERLEY**  
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To —

£.s.d.



THE MODERN CHEMIST

— Fittings by —

**D. MATTHEWS  
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The  
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14/16 Manchester St.  
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Established 1848

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Continuous and Steadily Advertised Goods  
FOR DESTROYING RATS AND MICE

## DANYSZ VIRUS

Retail Price (Protected)	Net Wholesale Price
Virus for Rats and Mice, single tube, 2/- ..	15/- per doz.
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Virus for Mice only .. single tube, 1/6 ..	9/- ..
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Date-expired tubes returned to us postage paid will be exchanged free of charge.	

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Retail Price	Wholesale Price
Bottles 6/- each	4/6 each
" 4/6 "	3/9 "

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Discount off Retail Prices 25% Monthly Account, or 33½% Cash with Order.

Retail	Monthly A/c	Cash with Order
½ gall. tins .. 10/- ..	7/6 ..	6/8
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For destroying Blackbeetles, Cockroaches, Crickets, &c.

Retail Prices (Protected)	Wholesale Prices
In cartons 9d. each ..	6/9 per doz.
" 1/6 " ..	13/6 ..
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Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS.

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## Horse Remedies

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Protected Prices.



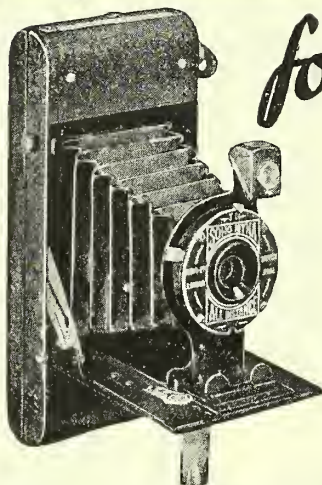
THESE Remedies are used in most of the Training Stables, Stables of Masters of Hounds, and by many thousands of the best Private Horse Owners in the United Kingdom and Abroad.

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# "SOHO MYNA" the NEW all-distance camera—



Sole Agents for IRISH FREE STATE:  
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## for Novice or Amateur!

The Peak of Value. The smartest of all popular roll film cameras, the "Soho Myna" is simplicity itself to use. Every essential for taking clear, sparkling pictures with the least possible trouble. Portraits, landscape, groups, no special attachment needed—just choose your subject and press the lever.

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**DO YOU  
MIX A  
FEW  
POUNDS**

Even if you have occasion to mix only a few grains of this with a pound or two of that, you'll find it pays to use a Gardner Mixer because it's quicker and ensures absolutely uniform distribution of the various ingredients.  
Ounces, cwts . . . . .

... or a  
few tons? They're  
all the same to a  
**GARDNER**  
Patent "Rapid" **MIXER**

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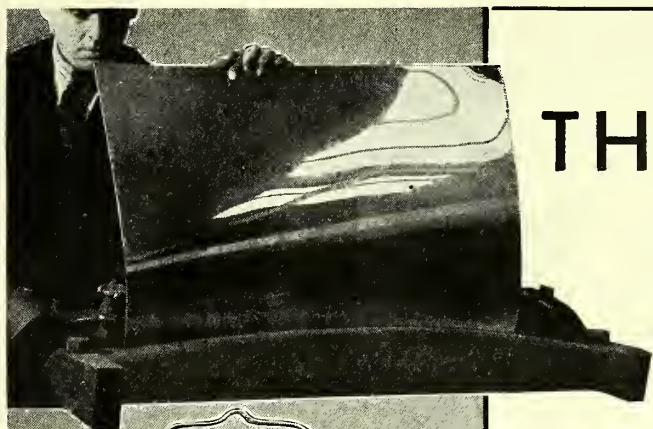
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Postlip Filterings are stocked by all the leading Wholesale  
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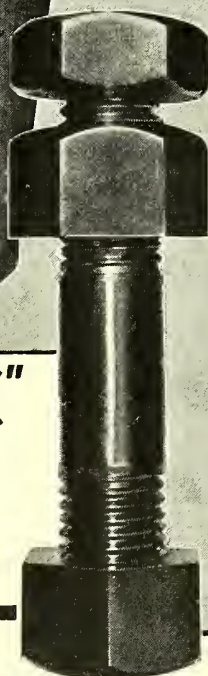
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NEW PROCESS

### STAINLESS STEELS

THE UNITED  
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NOW YOU CAN SELL IT . . . . .*

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This Supplement is inserted in every copy of The Chemist & Druggist

APRIL 30,  
1938

28 ESSEX STREET, LONDON, W.C.2

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**M**AIDENHEAD.—Unqualified Assistant wanted until the end of September (possibly permanently); knowledge of photography essential. Apply by letter, giving full particulars and snapshot photograph, stating salary required, to "G.," 23 College Avenue, Maidenhead.

**M**ANCHESTER.—Qualified Young Lady required; would suit newly qualified. Reply, stating age, experience, salary required and when free; also send photo (if possible). 325/810, Office of this Paper.

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**O**XFORD.—Qualified Assistant, male or female, for newly opened business in rapidly developing, middle-class area; house available over pharmacy if desired; send fullest details all experience first letter; enclose photo; state when free. Bellamy, 1 Upland Park Road, Oxford.

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**W**ARWICKSHIRE.—Smart Unqualified Assistant required for busy Pharmacy, assist Dispensing and making own Proprietary; also Qualified Locum from May 16-28. Please forward usual particulars, including age, height, references, salary required, to L. H. Lester, Rexall Pharmacy, 2 Market Place, Nuneaton.

**A.A.A.**—YOUNG Assistant of good address, male or female, with all-round experience; no Sunday duty. Apply L. Garfield, M.P.S., 5 North Parade, Mollison Way, Edgware (station, Burnt Oak), in writing, or 'phone Edg. 4545.

**A** Young Qualified Assistant (male) required at once; must be of good appearance, good Salesman and well recommended; permanency. Apply, The Manager, Williams (Cash Chemists), Ltd., 14A Argyll Street, Oxford Circus. Personal application preferred.

**A** YOUNG Qualified Assistant (male), used to good-class Retail and Dispensing business, required until end of October; congenial position, with usual hours, in South-East Coast resort; salary £5 per week. Send full particulars and photo if possible to 160/9, Office of this Paper.

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**A**SSISTANT, Unqualified, male preferred, for Dispensing and Counter in medium-class industrial neighbourhood; should be experienced and capable; interview preferred. Immediate application to Churchills, Chemists, Ltd., 350 High Road, Tottenham, N.17. Telephone: TOT. 3539.

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**E**XPERIENCED Assistant, Unqualified preferred but not essential, wanted for Croydon district (must be under 40); quick, intelligent, used to Dispensing, keen on counter and accustomed to busy cash trade; no Sunday duty. Apply, stating age, experience, references, salary required and usual particulars, in first letter, 325/812, Office of this Paper.

**L**ADY Assistant required, smart, young, with some experience in Dispensing and General Retail Counter trade. Give full particulars of age, experience and copies of previous references, state salary required, to Rhodes, Chemist, Wakeman's Hill Parade, Colindale ('phone 6937).

**L**ADY Dispenser (Hall), required by Dr. Collins, Taunton, Somerset; experience essential.

**L**OCUM Qualified Chemist required for Branch Relief, July 4-30, August 29-September 17. Application, stating age, wage required and full details, to reach the Secretary, Lincoln Co-operative Society, Ltd., Free School Lane, Lincoln, by Tuesday, May 3.

**M**ALE Dispenser, recently qualified, required for Drug Department of large West End Store. Write 325/815, Office of this Paper.

**M**ANAGER, Qualified, for a Branch Shop in Suburban Essex; must be good Salesman and Window-dresser. State height, age, experience and salary required to 160/48, Office of this Paper.

**O**PENING in high-class Family and Dispensing business for a young intelligent girl to acquire a practical training; nominal initial salary. State age and particulars in own writing to "Kensington," 160/30, Office of this Paper.

**P**ART-TIME Assistant, Unqualified, either sex, required now in London, W.9, district; 4 evenings a week and all day Saturdays; Dispensing and knowledge of Photography essential. Write at once, giving particulars of experience, etc., and salary required, 161/5, Office of this Paper.

**P**ART-TIME unqualified Assistant wanted, used to quick N.H.I. Apply personally O. Tobin, Ltd., 49 Harford Street, Mile End, E.1.

**Q**UALIFIED Assistant wanted, capable of taking charge of London branch shop; good appearance, energetic, quick and reliable Dispenser essential; permanency. Give full particulars of age, height and salary required, 160/6, Office of this Paper.

**Q**UALIFIED Junior Assistant wanted, lady considered; high-class Family business; experience in Photographic Retail an advantage; good Dispenser. Yeates, Stourbridge.

**Q**UALIFIED Lady or Gentleman, for small Family business; good Counter hand; progressive position. Apply, with fullest particulars and recent photograph, Littleworth Pharmacy, Ltd., Weston Road, Stafford.

**Q**UALIFIED Manager required for branch shop in S.W. London; must be keen, energetic worker and Salesman and specialise in Window-dressing; write, stating age, height, salary required and details of previous managing experience; no provincial replies. 150/7, Office of this Paper.

## PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.



**QUALIFIED** Young Lady or Gentleman required immediately; one recently Qualified would suit; permanency if desired. Apply, with photograph and salary required, Murrys, 14 Electric Parade, Clacton-on-Sea.

**REQUIRED** immediately, Qualified Lady for middle-class business in S.E. London; permanency. Apply, giving particulars of experience and salary required, to 161/15, Office of this Paper.

**SMART** capable young Lady Assistant, for good-class business; good general experience essential; knowledge of Dispensing necessary; full particulars, photo (snap) if possible. Barton & Barnard, Coleford, Glos.

**SMART** Young M.P.S. (either sex) required for Dispensing and Counter, etc., for middle-class Family business in Midlands industrial area; must be keen and experienced Salesman and reliable. Apply, with full particulars, salary (low) and photo, to 160/42, Office of this Paper.

**TWO** Unqualified Assistants for season from end of June; one Gentleman with good-class Counter and Photographic experience, and Lady for Toilet and Fancy counter; knowledge of pharmacy not necessary. Full particulars, salaries required (photos), Worth, Bude, Cornwall.

**UNQUALIFIED** Junior Assistant required; quick Dispenser, with pleasant and smart counter manner; only one used to very high-class business need apply. Write, stating age, height and experience, to Lovett & Bones, Ltd., Hertford Street, Coventry.

**UNQUALIFIED** Junior, reliable, trustworthy, pleasant personality, for Dispensing, Counter, Window-dressing, etc.; no Sunday duty. Apply, giving full particulars, with photo (returnable) if possible, to D. C. Jones, Chemist, Ware, Herts.

**UNQUALIFIED** Locum required (age 20-25), June 13-September 3; Dispensing experience essential. Also Unqualified Assistant required immediately (age 19-25). Send references and state salary, Reeson, Chemist, Erith.

**WANTED**, a responsible Qualified Manager, to take charge in proprietor's absence, for a period of 3 months or longer. Apply, Meyrick & Davis, Ltd., Wilton Court Pharmacy, Bexhill-on-Sea.

**WANTED**.—An Assistant for good-class Country and agricultural business. Write in first place to A. B., c/o Lofthouse & Saltner, Hull.

**WANTED** early, Lady Assistant, accustomed to Toilet and Photo and Dispensing. Full particulars to C. Wass, Holbeach, Lincs.

**WANTED** immediately, Junior Dispenser for summer months for high-class Dispensing business on South Coast. Apply, with photo, references and salary, to Collis & Co., Ltd., 34 St. Leonards Road, Bexhill-on-Sea, Sussex.

**WANTED**, May 16 or thereabouts, Junior Assistant, lady or gentleman, well experienced in high-class Toilet articles, accustomed to Dispensing; Hall qualification advantageous, but not essential. Apply, stating age and usual particulars, to Parry-Jones & Co., Dispensing Chemists, Barnet.

**WANTED**.—Qualified Chemist, one or two mornings or afternoons weekly. State full particulars to Box 934, Smith's, 100 Fleet Street, E.C.4.

**YOUNG** Lady Chemist for small Branch Shop; willing worker; Southampton district. Apply, 160/52, Office of this Paper.

**YOUNG** Lady required for good-class Toilet and Dispensing business; able to Dispense, good at Display and Window-dressing; give full details age, height, salary, photo, etc. H. Whistler, M.P.S., Chemist, Newark.

**YOUNG** unqualified permanent Assistant (gentleman); must be capable, tall, with knowledge of Photography. Write, stating experience, with reference, also height, age, salary required, and enclose snap or photograph, Frank Purcell, Chemist, Strand Street, Douglas, I.O. Man.

## WHOLESALE

### To FIRST - CLASS REPRESENTATIVES

Already calling on Chemists, Doctors, Hospitals, Nursing Homes, etc.

Manufacturers of entirely new quick-selling line offer Agency to first-class men only for DESOL, the painless adhesive plaster remover. High commission. Write, stating territory covered, to:

**PLASTERGON CHEMICAL COMPANY LTD.**  
116 Albion Street Leeds, 1

**LONDON** Manufacturing Chemists, ethical House, require Medical Propagandist to visit Harley Street Specialists; personality and initiative to create own contacts and appointments; connexion essential; progressive post. Full details, with photo (returnable), stating age, experience and qualifications. Mark letter "Specialist," 325/805, Office of this Paper.

**LONDON** Manufacturing Chemists require Representative for Sales and Propaganda to Medical Men; salary, commission and expenses; excellent prospects. Full details, stating age, experience and qualifications. 325/806, Office of this Paper.

**EXCLUSIVE** and old-established West End Firm of Beauty Preparation Manufacturers require Travelling Representative capable of establishing personal and influential contact with heads of business houses; age 25 to 40; tall, good appearance, first-class education; own car; previous experience not essential, but must have highest business and social references. Write, 325/811, Office of this Paper.

**JUNIOR** Clerk required for export department of London Wholesale Druggists; knowledge of shorthand and typing essential. Reply, stating age, experience and salary required, to 325/818, Office of this Paper.

**MANUFACTURING** Chemists, East London, have vacancy for Pill-maker; some experience desirable; progressive position for keen worker. State salary required and all relevant details to 325/809, Office of this Paper.

**MANUFACTURING** Chemists, extending their Display Service, require expert Window-dresser for London area. Write, stating age, past experience, salary required and if car owner, to Box 765, c/o C. Mitchell & Co., 1 Snow Hill, E.C.1.

**REPRESENTATIVES**.—Registered Pharmacists required as Medical Propagandists, progressive positions for men with experience of this work, also for Junior Qualified men for training. State age, experience and salary expected, sending recent photograph (which will be returned) to 325/819, Office of this Paper.

**REPRESENTATIVE** required for Chemists' Sundries House for Manchester and district; previous experience and connexion preferred. Apply by letter to Heath Bros., 101/103 Chapel Street, Salford, 3.

**REPRESENTATIVES** required for Birmingham, Leeds and Glasgow districts by distributors of high-grade Medical Specialties, Electric and Hand Inhalers; must be experienced in calling on Medical Profession and Chemists; salary and commission basis and expenses. Reply, giving full particulars, age and if car owner, 325/807, Office of this Paper.

**REPRESENTATIVES** wanted, all districts; must have good connexions with Gents' Hairdressers. State in confidence firms represented at moment. Good commission. 325/813, Office of this Paper.

**SOAP** Finisher, skilled all operations Toilet Soap Manufacture, required immediately. Apply Hovendens, 41/53 Britannia Row, Islington, N.1.

**SPENCER BROS.** have a vacancy for a smart, intelligent Warehouseman; also female Assistant for Waterproof Department. Write fully to Manager, 66 Shoe Lane, E.C.4.

**TABLET-MAKER** and Sugar-coater wanted, for London Wholesale Druggists. 324/798, Office of this Paper.



**THE DUBARRY PERFUMERY CO., LTD., HOVE,** require experienced Representative with strongly established record to sell their well-known products; salary, expenses and commission; car provided. The position can only be filled by an industrious, able and enthusiastic Salesman. Apply by letter, giving usual personal information and full details of experience and territory in which established connexions exist.

**THE STANDARD TABLET CO., LTD., HOVE,** require a competent, experienced Representative with existing strong connexion to sell to Chemists already very successful new ranges of exclusively reservable high-class Packed Goods, including Tablets, Pills, Capsules, Lozenges, Pastilles, Pharmacy Chemicals, Counter Adjuncts, etc. Salary, expenses, commission. Apply in writing, stating age and usual personal information, experience, details of present territory, etc.

### COLONIAL, INDIAN AND FOREIGN

**SOUTH AFRICA.**—£37 10s. per month; M.P.S., with Optical Qualification, for Pharmacy in Worcester, Cape Province; 3 years' agreement; passage paid (tourist class); excellent prospects if suitable. Apply Evans Sons Lescher & Webb (Ref. E.P.L.), Hanover Street, Liverpool.

**ALERT** Qualified Assistant, single (aged 22-24), wanted for Malaya; must have Optical and Photographic experience, also working knowledge of Cine Kodak; four years' agreement; passage paid out and home; salary, first year £420, second and third years £455 and fourth year £490. Applicants must apply by letter only to the Secretary, Dakin Brothers, Ltd., 46 South-wark Street, S.E.1.

**UNQUALIFIED** Assistant (age 25-30) wanted for Union of South Africa; smart appearance and used to good-class business; 3 years' agreement and outward passage paid. Write, giving full details of experience, age and references, 325/817, Office of this Paper.

**WORKS** Manager required by old-established Firm of Manufacturing Chemists in Calcutta; must have experience of large scale manufacture—Galenicals, Tablets, Tinctures, Alkaloids and control of Analytical Laboratory; preference given to applicant with Diplomas and Engineering knowledge for erection and maintenance of plant; 3 years' agreement, with passage both ways; salary Rs. 600 per month, rising to Rs. 700, and free unfurnished quarters provided; a first-class opportunity, with good prospects, for the right man. All applications treated in strictest confidence. Apply, stating if available for personal interview if required in London during June or July, to Box No. 12, c/o Crossley & Co., Ltd., 5 Racquet Court, Fleet Street, E.C.4.

## SITUATIONS WANTED

### RETAIL (HOME)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**A.A.A.A.**—D.B.A., M.P.S. (27), Registered O.B.A.C. and J.C.Q.O., desires permanency; London or near preferred, but not essential if remuneration adequate; experienced Manager, West End, suburbs, provinces; keen, capable, dependable, energetic; excellent references; interview any time. Chemist, 182 Benhurst Avenue, Elm Park, Romford, Essex.

**A.A.A.A.**—MANAGER, Qualified (35), smart appearance, good personality, excellent Sales record; all-round experience, West End, City, provincial and seaside; Surgical, Photographic, high-class Toilets and Cosmetics; energetic worker; free May 16. "Chemist," 36 Regency Lodge, Swiss Cottage, N.W.3.

**A.A.**—QUALIFIED (26), thoroughly experienced, desires permanency, as Manager or Assistant; West of England preferred; free one month. M.P.S., 77 Cranbury Road, Reading.

**ASSISTANT**, Unqualified (M.S.S.I.); 13 years' all-round experience; locum or permanent; disengaged. Byrne, 18 Clifton Villas, London, W.9.

**ASSISTANT** (28), experienced high-class Family and West End Business; expert Dispenser. C. H. J. Bishop, 41 Hillcross Avenue, Morden, Surrey.

**ASSISTANT** (28), Unqualified; all-round experience (West End); accurate Dispenser; Window-dressing; London. "C.," 44 Turneville Road, W.14.

**AS** Manager or Locum, Qualified; first-class experience; London or South Coast. Davies, 164 Clapham Road, S.W.9. Phone: Reliance 2741.

**BIRMINGHAM** District, North Wales, Peterborough area or London, locum work taken; well recommended; now booking dates. E. Hanley, 180 Lozells Road, Handsworth, Birmingham.

**EXPERIENCED** Qualified Chemist, Assistant or Branch, locum; disengaged; single; active and reliable. Keats, 44 Devonshire Drive, Scarborough, Yorks.

**EXPERIENCED** Unqualified (39), over 20 years' good-class Family Retail and Dispensing; seeks permanency or seasonal post; 13 years last post. "Eym's," 2 Holme View, Ilkley, Yorks.

**LADY** Assistant, good Toilet and Drug Counter experience, used to Window-dressing and Display work, seeks post. Miss M. L. Horrocks, 2 Briarlands Avenue, Sale, Manchester.

**LADY** Chemist seeks Management with view to early purchase; capital available if business suitable; mid-Southern Counties. 159/10, Office of this Paper.

**LADY** Dispenser (Hall) seeks position; experienced Dispensing and Book-keeping; good testimonials. D. Stead, 35 Horton Grange Road, Bradford.

**LADY**, Unqualified, 13 years Dispensing, Counter, etc.; permanency, temporary or part-time; London or near preferred but not essential. "C.," 133 Endlesham Road, Balham.

**LADY** (29), Qualified, seeks permanent or temporary work, Bradford district; good knowledge of Dispensing, private and N.H.I.; also high-class Toilets; 5 years as Manager; interview any Wednesday afternoon, 160/43, Office of this Paper.

**LOCUM**, experienced Pharmacist; few dates open; free now; recommended; 5 guineas, return fare. 6 Westleigh Park, Bristol, 4.

**LOCUM**, M.P.S., free for one week, June 26-July 2; also from July 18 onwards; twelve years' Retail experience; used to managing. 161/10, Office of this Paper.

**LOCUM**, Pharmacist (age 38), available for fortnight June 27-July 9 inclusive, London or the South; fully experienced. 160/33, Office of this Paper.

**LOCUM**, Qualified; good, varied experience and references; disengaged present date until June 4 inclusive. S. T. Hoskins, 1 Avenue Road, Falmouth. Telephone: Falmouth 146.

**LOCUM**, Qualified (35), well recommended; now booking May 23 onwards; South and South-West preferred. 158/3, Office of this Paper.

**LOCUM** required for one month in good-class business, West End or N.W. London; Qualified lady, aged 26; good personality and appearance; competent Saleswoman and Dispenser; nominal salary only required as out of business two years and wishing to brush up experience. Apply 159/9, Office of this Paper.

**LOCUM** work required, May 2 to June 3, June 27 to July 2, August 1 to 13, and August 29 onwards; Unqualified, male; thoroughly experienced; sound references. Barnes, 62 Galveston Road, Putney, S.W.15.

**MANAGER**, Qualified (25), desires post; smart appearance; expert Salesman; good Window-dresser, Buyer; staff control; 9 years' first-class experience; free when required; London only. 159/4, Office of this Paper.

**MANAGER** (38) seeks permanency; thoroughly experienced all branches; staff control, Buying, Window-dressing, etc.; West End, suburban and provincial; particulars and interview. "Denwar," 20 Clarence Road, Motttingham, S.E.9.



**MANAGER** (29) seeks permanency; 12 years' experience in North, Midlands, City, West End; all branches, including N.H.I.; first-class Private Dispensing, Toilet, Photographic; experienced Stock-keeping, staff control; good references: disengaged; London or provincial town. "Chemist," 30 Warwick Avenue, W.9.

**M.P.S.,** F.B.O.A., F.I.O.O., O.B.A.C., desires change, S.E. London or suburban preferred; permanency; managing 20 years; experienced good-class businesses, London, provincial; keen, energetic, trustworthy, careful Buyer, tactful, accurate, clever prescriber, expert Photography; excellent Window-dresser; own Optical equipment; excellent references. Pharmacist, 5 Ingleby Way, Chislehurst, Kent.

**M.P.S.,** F.S.M.C. (31, tall), thoroughly experienced, including Photographic, high-class Toilets, truss fitting; Refraction, Hospital trained; present position 6 years; eventual partnership entertained. 161/11, Office of this Paper.

**M.P.S.** (45), as Locum; reliable; experienced; now booking for May only; London or near. Chemist, 17 London Road, High Wycombe, Bucks.

**M.P.S.** (31), married, tall, appearance and personality considered well above average, seeks opening where good prospects are essential; ability has been well proved by 10 years' managerial experience, and employer will be certain of a sincere manager who will raise turnover in an ethical manner; adequate proof of ability and integrity gladly given; wide experience of Display, Dispensing, Photography, Toilets, etc.; advertiser is also an experienced and qualified Chiropodist with own equipment, and is prepared to open a chiropody department on a profit-sharing basis; interview appreciated. 159/11, Office of this Paper.

**PART-TIME**, Qualified; free 4.30 p.m.; reliable; excellent West end experience and reference. P.C.B. 280/35, Office of this Paper.

**PERMANENCY** or locum, Qualified, good experience, Counter, Prescribing, etc., immediately; moderate salary. M.P.S., 5 Clive Terrace, George Street, Manchester, 8.

**PHARMACIST** desires position as Manager or Superintendent, London district; elderly, but active and reliable; strictly moderate salary; disengaged. Apply 160/35, Office of this Paper.

**QUALIFIED** Chemist-Optician (27), M.P.S., F.S.M.C., O.B.A.C., free; Locum or permanency anywhere; experienced all branches, both Professions; excellent references. 160/32, Office of this Paper.

**QUALIFIED** (34), single, desires change; 8 years managing; all-round experience; excellent references; permanency; London and suburbs only. 160/20, Office of this Paper.

**QUALIFIED** Manager (32), married, seeks permanent post, at present on East Coast; well experienced London, seaside, provincial; six years as manager; thoroughly capable man; free at one month's notice. 160/45, Office of this Paper.

**QUALIFIED** (38), tall, married, with all-round experience, including 12 years' management, seeks permanency as Branch Manager; free now. Benson, 57 William Street, Swindon, Wilts.

**SCOT** (29), unqualified, desires change; active and of good appearance; 5 years' West End experience; 3 years as manager, good experience in Counter, Dispensing, etc.; London district. 160/29, Office of this Paper.

**SWISS**, Qualified Chemist, tall, extensive experience, desires position as Assistant; temporary or permanent; willing to give services free to commence; speaks fluent German and French; good knowledge of English. Write O. L., 1 Princess Crescent, London, N.4.

**UNQUALIFIED** Assistant, all-round experience, desires permanency; Counter, Dispensing; disengaged; interview any time. 160/16, Office of this Paper.

**UNQUALIFIED** (45), single, seeks position in Retail Pharmacy, Wholesale or Drug Store; experienced and trustworthy; good references; small salary in light and comfortable post; country preferred, but not essential. 160/49, Office of this Paper.

### WHOLESALE

**A** **FIRST-CLASS** Representative (ex-service officer), long established connexion Chemists, Stores, Hairdressers, Scotland and Northern England, seeks progressive position; own car. 160/14, Office of this Paper.

**A** **GOOD SIDE LINE** required by experienced Salesman; high-class connexion Chemists, Stores, Hairdressers; Midlands, South Wales. 160/53, Office of this Paper.

**A** **ADVERTISER**, Qualified and Registered, contemplates change; 18 years' good all-round Retail experience, Buying and Control; would consider entry into Wholesale or Manufacturing, as Representative; terms could be discussed. 159/16, Office of this Paper.

**A** **ADVERTISER**, Qualified (30), with 12 years' first-class experience, desires Wholesale or Representative position with prospects; interview welcomed. 156/1, Office of this Paper.

**COSMETICS**.—Advertiser seeks situation; first-class experience of formulating and compounding all types of Cosmetics and Toilet Preparations. T. J. Favell, 7 Queen's Crescent, N.W.5.

**EXPERIENCED** Pharmacist, with first-class connexion in all Ireland for 20 years; Medical, Wholesale, Retail; free September; leading houses only entertained. "Chemist," 11 Cunningham Place, St. John's Wood, N.W.8.

**EXPERIENCED** Representative, excellent connexion Eastern Counties, desires additional line; own car; highest references. 161/13, Office of this Paper.

**MEDICAL** Detail Representative desires Medical or Surgical lines for introduction to Medical Profession; representing well-known London ethical house. C., 40 Whitegate Gardens, Harrow Weald, Middlesex.

**PHARMACIST** (28) requires position with Wholesale Drug house of repute, call on Doctors or Chemists; good education; keen and alert; excellent Salesman; own car; small salary to commence; considerable Retail experience; S.W. England preferred. 159/21, Office of this Paper.

**PHARMACIST** (29) seeks position in Wholesale, representative or administrative; 12 years' varied Retail experience; some knowledge French and German; car owner; any territory; free now. "Chemist," 30 Warwick Avenue, W.9.

**REPRESENTATIVE**, 10 years' nationally-known firm, live connexion Chemists, London, Home Counties, S.E. and S.W. England, seeks similar position; experienced car driver; highest credentials. "Rep.," 48 Dagmar Avenue, Wembley, Middlesex.

**THIRTY** Years' experience, Representative, Propagandist; car; excellent record, health, address; salary and expenses. "Hippocrates," c/o Jackson, Rowan Avenue, Boothville, Northampton.

**100** **PER CENT.** energetic Representative desires change; at present engaged by well-known French Perfumery house, oldest in trade; splendid connexion over 800 accounts; ground covered, Eastern Counties, Kent, Surrey and Sussex; very well known on ground; own car. 159/12, Office of this Paper.

### NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.



**CLEAR OUT**—your Old or Damaged Stock of Photo Goods.

*Why keep them any longer? Turn them into CASH.*  
**I GIVE BEST PRICES** for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photoline. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.  
**S. E. HACKETT, 23 July Road, Liverpool**

**FOR SALE**

(Articles to the value of £5-£50.)

**A**UTOWAY Personal Weighing Machine in good condition, £5 10s., carriage paid. Write, Cater, Stoffell & Fortt, Ltd., High Street, Bath.

**A**VERY Coin Freed Weighing Machine, A686, perfect condition, cost £40. What offers? Apply 325/808, Office of this Paper.

**C**ASH Register, "National" make; gives cash total; suit trade; perfect; bargain. Write W. Haines, 1 Guildford Road, E.17.

**N**EAR Southampton, complete Chemist Fixtures and some fittings for sale, comprising Drug Run, 8 ft.; Counter 7 ft., Wall Fixture 7 ft., Dispensing Screen, all mahogany, Till, Show Stands (all in good condition), £50 the lot. 160/36, Office of this Paper.

**MISCELLANEOUS**

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**C**ASH REGISTERS, NATIONAL, FROM £10; over 100 must be sold, including Ticket Issuers; complete overhauls and repairs; estimates free; Cash Tills 15s., guaranteed genuine bargains at Great Britain's cheapest and largest central depot, AMALGAMATED BUSINESS MACHINES, LTD., 78 LONG LANE, SMITHFIELD, E.C.1. Phone NATIONAL 0674. Easy terms, Exchanges, Supplies, Machines bought for Cash.

**C**OMplete PHARMACY in Mahogany for £63 10s. Comprising: 12 ft. Drug Run, 8 ft. Wall Case, 6 ft. 6 in. Dispensing Screen with Showcase front, Mirror-back and Plate-glass shelves; 10 ft. Counter with Showcase front; many other sets in Oak or Mahogany, New and Second-hand. New SHOP FRONTS of modern design. Estimates and Drawings FREE. Call or write: RUDDUCK & CO., 219 Old Street, London, E.C.1.

**S**HOOP SOILED FITTINGS.—A complete set in Light Oak suitable for beginner or branch; can be seen at, or full particulars from, PHILIP JOSEPHS & SONS, LTD., 90-92 St. John Street, Clerkenwell, E.C.1. Telephone: 4111-2. "Pharmacy Fitters for Over a Century."

**EXCHANGE COLUMN**

2d. per word, minimum 2s. (Box No., 1s. extra.)

**FOR DISPOSAL**

**C**ONTENTS of Pharmacy, Scales, Fittings, Recessed Shop Rounds, Showcases, Kodak Film Machines, etc. Write, Craingold, Chemist, 146 Cheetham Hill Road, Manchester.

**K**AMALA POWDER, limited quantity from stock. Inquiries invited. R. Everest Fuhrhop, 5 Lloyds Avenue, London, E.C.3. Phone Royal 2916.

**WANTED**

**R**EQUIRED.—Second hand Copy "Pharmacographia," by Fluctiger and Hanbury, 2nd edition. Write only in first instance to A. & F. Denny, Ltd., 19 Queen Victoria Street, London, E.C.4.

**VETERINARY COUNTER PRACTICE**

This book has been thoroughly revised and rewritten. The new edition, which is now available, contains many important new chapters, new diagrams, formulæ, etc., and includes the most recent advances in veterinary science.

This book is the standard work on the subject for pharmacists and will be found to be an invaluable help when dealing with veterinary matters affecting horses, sheep, cattle, poultry or domestic animals. Veterinary business is profitable.

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MARIENBAD SLIMMING TABLETS  
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- 3 Marienbad Slimming Treatment.

Packed in card boxes containing 60 silver-coated tablets.

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THESE PROFITABLE SPECIALITIES**

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Manufacturing Chemists  
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